



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Isiah Leggett
County Executive

Robert G. Hoyt
Director

December 14, 2009

Mrs. Martha Hynson, Chief
Landfill Operations
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230

Dear Mrs. Hynson:

Please find enclosed the results of the latest water quality monitoring performed at the Gude Landfill for September 2009. This report has been developed based on the recently approved Groundwater and Surface Water Monitoring Plan (G&SWM) to monitor the water quality contamination in and around the Gude Landfill in Montgomery County. This report is submitted in fulfillment of the G&SWM requirements approved by Maryland Department of the Environment in May 11, 2009.

This report provides a summary of the results for water quality monitoring performed for the semiannual period from April 2009 to September 2009. It contains sampling results and analysis for 20 monitoring wells and 5 stream locations. Overall, results obtained for this reporting period are consistent with the prior monitoring results with respect to the types and concentrations of pollutants. The results represent typical fluctuations in water quality that have been observed previously during the past several years. The following provides a brief overview of the results obtained from the laboratory analyses for all the monitoring sites for this reporting period. Please refer to attached tables, diagrams, and enclosed CD for additional information.

VOLATILE ORGANIC COMPOUNDS:

The highlights of the results for this reporting period are listed below. Please refer to Table 1 of this report for all the VOC results.

- No VOCs were detected above recommended Maximum Contamination Level (MCL) in monitoring wells OB01, OB02, OB02A, OB04, OB06, OB07, OB07A, OB102, and OB105.

- No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- A total of 34 VOCs exceeded the recommended MCL in monitoring locations OB03 (with 4 exceedances), OB03A (with 5 exceedances), OB04A (with 2 exceedances), (OB08 (with 1 exceedance), OB08A (with 1 exceedance), OB10 (with 2 exceedances) OB11 (with 7 exceedances), OB11A (with 6 exceedances), OB12 (with 5 exceedances), OB015 (with 1 exceedance), and OB025 (with 1 exceedance).
- 38% of the MCL exceedances were detected at observation well OB11/OB11A located on the south side (front side) of the landfill and 26% of MCL exceedances were detected at observation well OB03/OB03A located on the north side (back side) of the landfill.
- 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l observation wells OB03, OB03A, OB11, OB11A and OB12. Concentrations exceeding MCL for this compound ranged from 5.55 ug/l to 15.8 ug/l .
- Benzene concentration exceeded the MCL of 5 ug/l in OB11 at 9.37 ug/l and OB11A at 7.51 ug/l.
- cis-1,2-Dichloroethene concentration exceeded the MCL of 70 ug/l in observation wells OB03, OB03A, OB11, and OB11A. Concentrations exceeding the MCL for this compound ranged from 84.9 ug/l to 184 ug/l.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB11, OB11A, and OB12. Concentrations exceeding MCL for this compound ranged from 7.95 ug/l in OB12, 44.75 ug/l in OB11A, and 67.92 ug/l in OB11.
- Dichloromethane concentration exceeded the MCL of 5 ug/l in OB11 at 30.6 ug/l and OB12 at 8.27 ug/l.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03A, OB11, OB11A and OB12. Concentrations exceeding the MCL for this compound ranged from 7.11 ug/l at OB03A to 43.9 ug/l at OB11.
- Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB11, OB11A, OB10 and OB12. Concentrations exceeding the MCL for this compound ranged from 13.3 ug/l at OB10 to 131 ug/l at OB03.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB03, OB03A, OB4A, OB08, OB08A, OB10, OB11, OB11A, OB12, and OB015. Concentrations exceeding the MCL for this compound ranged from 2.12 ug/l at OB04A to 30.5 ug/l at OB03.

METALS AND INDICATORS:

The highlights of the results for this reporting period are listed below. Please refer to Table 3 of this report for all the metals and other water quality parameters results.

- A total of 10 metal analysis exceeded the recommended MCL in monitoring locations OB105 (with 3 exceedances), OB11 (with 2 exceedances), OB015 (with 1 exceedance), and OB025 (with 4 exceedances).
- No metal contaminants were detected above the recommended MCL in any of the monitored stream locations.

- Arsenic with a recommended MCL of 0.01 mg/l was exceeded in OB105 with a concentration of 0.012 mg/l.
- Beryllium with a recommended MCL of 0.004 mg/l was exceeded in OB025 with a concentration of 0.0137 mg/l.
- Cadmium concentrations above the recommended MCL of 0.005 mg/l were detected in OB11 at 0.0088 mg/l and in OB025 with a concentration of 0.0174 mg/l.
- Chromium with a recommended MCL of 0.1 mg/l was exceeded in OB025 with a concentration of 0.1050 mg/l.
- Lead with concentrations above the recommended MCL of 0.015 mg/l detected in samples collected from observation wells OB105 at 0.0268 mg/l, OB015 at 0.017 mg/l, and OB025 at 0.148 mg/l.
- Mercury with concentrations above the recommended MCL of 0.002 mg/l detected in samples collected from observation wells OB105 at 0.0038 mg/l and OB11 at 0.0022 mg/l.

Overall, data collected during this reporting period represent typical seasonal fluctuations in water quality with respect to monitored parameters for this landfill. Based on the latest monitoring and sample analysis obtained during this reporting period, there are no indications of any unexpected or unusual results that would require special attention and therefore no further actions are recommended at this time. The County continues to closely monitor the presence of VOCs and other contaminants and will notify MDE prior to the next report in the event that any detection is found to be significantly different from previous levels.

Please contact Nasser Kamazani at (240) 777-7717 with any questions about this report.

Sincerely,



David Lake, Manager
Water and Wastewater Policy Group

cc: Robert Hoyt, Director,
Department of Environmental Protection

Dan Locke, Chief
Division of Solid Waste Services,
Department of Environmental Protection

**WATER QUALITY
MONITORING REPORT**

for

Gude LANDFILL

Montgomery County, Maryland

December 2009

Report Period: September 2009

Prepared by Montgomery County Department of Environmental Protection

Prepared for Maryland Department of Environment, Solid Waste Program

December 15, 2009

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Introduction:

The Gude Landfill is located on the north side of Gude Drive near Southlawn Lane, northeast of the City of Rockville in Montgomery County. The site encompasses approximately 160 acres, of which approximately 100 acres have been used for the disposal of municipal waste and incinerator residues. It operated from the early 1960s until June 1, 1982. The Gude Landfill was constructed prior to the promulgation of regulations for landfill lining and leachate collection systems.

To monitor the quality of ground and surface water, the Montgomery County Department of Environmental Protection (DEP) collects samples at a total of 25 monitoring sites, which include 20 observation wells and 5 stream locations. Locations of these monitoring sites can be found on the attached aerial photo titled Groundwater and Surface Water Monitoring Locations in Appendix A. Sampling and analysis are conducted semi-annually and include laboratory analysis for Volatile Organic Compounds (VOCs), Heavy Metals, field parameters (temperature, pH, conductivity) and other water quality parameters and indicators.

This report is organized into four sections, which discuss the results and observations based on the landfill water quality monitoring program. The four sections include a discussion of:

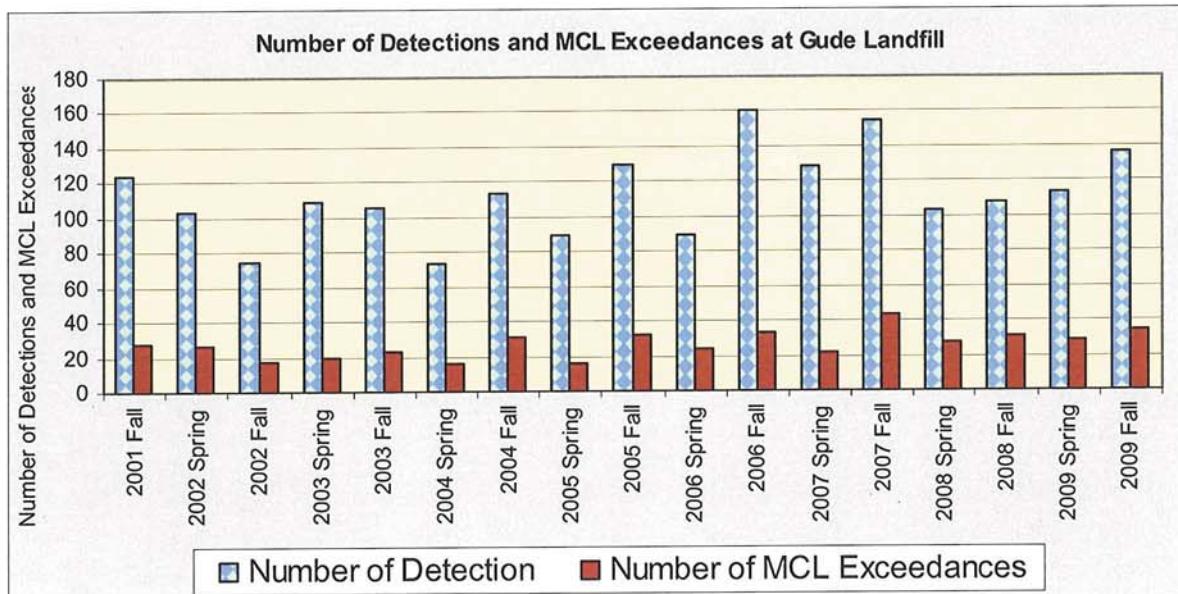
- VOC sampling results;
- Metals sampling results;
- Groundwater elevation and flow;
- Trends Analysis/Conclusions

The appendices provide data tables for reference, as well as aerial photos and maps.

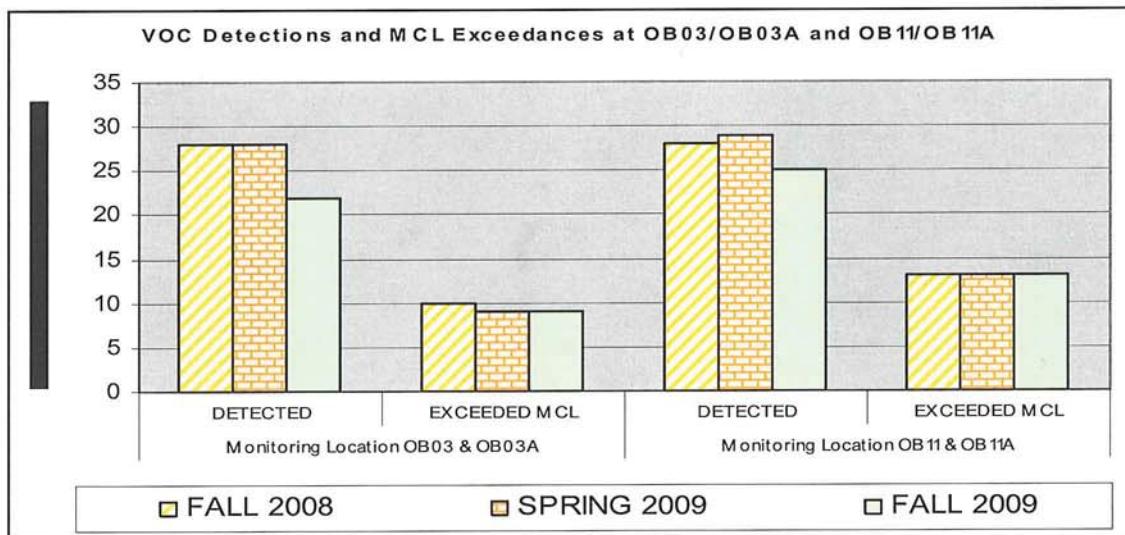
1. Volatile Organic Chemical Sampling Results:

The following is a summary of monitoring results obtained for this reporting period.

- The concentrations of VOCs in groundwater are similar to those that were recorded during the past monitoring activities.
- Results obtained for this reporting period are comparable with previously recorded observations in both number of detections and concentrations of contaminants for both PQL (practical quantitative limit) and MCL (maximum contaminant limit).



- No VOCs were detected above recommended Maximum Contamination Level (MCL) in monitoring wells OB01, OB02, OB02A, OB04, OB06, OB07, OB07A, OB102, and OB105.
- No VOCs were detected above the recommended MCL in any of the monitored stream locations.
- A total of 34 VOCs exceeded the recommended MCL in monitoring locations OB03 (with 4 exceedances), OB03A (with 5 exceedances), OB04A (with 2 exceedances), OB08 (with 1 exceedance), OB08A (with 1 exceedance), OB10 (with 2 exceedances), OB11 (with 7 exceedances), OB11A (with 6 exceedances), OB12 (with 5 exceedances), OB015 (with 1 exceedance), and OB025 (with 1 exceedance).
- 38% of the MCL exceedances were detected at observation well OB11/OB11A located on the south side (front side) of the landfill and 26% of MCL exceedances were detected at observation well OB03/OB03A located on the north side (back side) of the landfill.



- 1,2-Dichloropropane concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB11, OB11A and OB12. Concentrations exceeding MCL for this compound ranged from 5.55 ug/l to 15.8 ug/l.
- Benzene concentration exceeded the MCL of 5 ug/l in OB11 at 9.37 ug/l and OB11A at 7.51 ug/l.
- cis-1,2-Dichloroethene concentration exceeded the MCL of 70 ug/l in observation wells OB03, OB03A, OB11, and OB11A. Concentrations exceeding the MCL for this compound ranged from 84.9 ug/l to 184 ug/l.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB11, OB11A, and OB12. Concentrations exceeding MCL for this compound ranged from 7.95 ug/l in OB12, 44.75 ug/l in OB11A, and 67.92 ug/l in OB11.
- Dichloromethane concentration exceeded the MCL of 5 ug/l in OB11 at 30.6 ug/l and OB12 at 8.27 ug/l.
- Tetrachloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03A, OB11, OB11A and OB12. Concentrations exceeding the MCL for this compound ranged

from 7.11 ug/l at OB03A to 43.9 ug/l at OB11.

- Trichloroethene concentration exceeded the MCL of 5 ug/l in observation wells OB03, OB03A, OB11, OB11A, OB10 and OB12. Concentrations exceeding the MCL for this compound ranged from 13.3 ug/l at OB10 to 131 ug/l at OB03.
- Vinyl Chloride concentration exceeded the MCL of 2 ug/l in observation wells OB03, OB03A, OB4A, OB08, OB08A, OB10, OB11, OB11A, OB12, and OB015. Concentrations exceeding the MCL for this compound ranged from 2.12 ug/l at OB04A to 30.5 ug/l at OB03.
- The presence of the above listed compounds, in terms of number and concentration, is similar and consistent with prior monitoring results. Results for all of the VOCs can be found in Table-1 and Table-2 in Appendix B of this report. Table-1 contains the results from the April 2009 sampling event. Table 2 shows the monitoring results for the past several years.

2. Inorganic and Metals Sampling Results:

The highlights of the results for this reporting period are listed below.

- A total of 10 metal analysis exceeded the recommended MCL in monitoring locations OB105 (with 3 exceedances), OB11 (with 2 exceedances), OB015 (with 1 exceedance), and OB025 (with 4 exceedances).
- No metal contaminants were detected above the recommended MCL in any of the monitored stream locations.
- Arsenic with a recommended MCL of 0.01 mg/l was exceeded in OB105 with a concentration of 0.012 mg/l.
- Beryllium with a recommended MCL of 0.004 mg/l was exceeded in OB025 with a concentration of 0.0137 mg/l.
- Cadmium concentrations above the recommended MCL of 0.005 mg/l were detected in OB11 at 0.0088 mg/l and in OB025 with a concentration of 0.0174 mg/l.
- Chromium with a recommended MCL of 0.1 mg/l was exceeded in OB025 with a concentration of 0.1050 mg/l.
- Lead with concentrations above the recommended MCL of 0.015 mg/l detected in samples collected from observation wells OB105 at 0.0268 mg/l, OB015 at 0.017 mg/l, and OB025 at 0.148 mg/l.
- Mercury with concentrations above the recommended MCL of 0.002 mg/l detected in samples collected from observation wells OB105 at 0.0038 mg/l and OB11 at 0.0022 mg/l.

Overall, the results indicate comparable concentrations for metals from the last reporting period. Laboratory results for these metals are included in Appendix D, Tables 3 and 4 of this report.

3. Physical Water Quality Measurements:

Additional physical water quality parameter measurements and analysis were conducted during the latest monitoring period and the results are included in this report for the first time. These new water quality parameters are based on the monitoring requirements specified in the approved G&SWM Plan and include the followings:

Alkalinity	Ammonia
Calcium	Chloride
Nitrate	pH
Potassium	Sodium
Specific Conductance.	Sulfate
TDS	Turbidity

Results for the above water quality parameters are included in Appendix D, Tables 3 and 4 of this report.

4. Groundwater Elevations and Flow:

The groundwater elevation measurements of all the monitoring wells for the past two monitoring rounds are included in Table-5 of this report. The results indicate that the groundwater elevation at Gude Landfill has decreased by an overall average of 0.7 ft from April to September 2009. This is consistent with reduced seasonal groundwater elevation during the fall. Based on the groundwater elevation measurements obtained from the limited number of observation wells down gradient form the perimeter of the landfill, it appears that the groundwater flow at Gude Landfill is consistent with the topography in this area.

5. Conclusions/Trend Analysis:

Results obtained from the latest monitoring activities (April to September 2009) are similar and comparable to those collected from prior monitoring results for the past several years. Major findings indicate that:

- I. There are indications of some low level groundwater and surface water contamination in the vicinity of Gude Landfill.
- II. Detected contaminants at Gude Landfill involve mainly chlorinated solvent degradation products including 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene, and Vinyl Chloride.
- III. Most of the contaminants (about 70%) are detected at observation wells OB11/OB11A located on the south side (front side) of the landfill and observation wells OB03/OB03A located on the north side (back side) of the landfill. (Observation wells OBxx/OBxxA are adjacent wells with different depths and are constructed within several feet apart.)

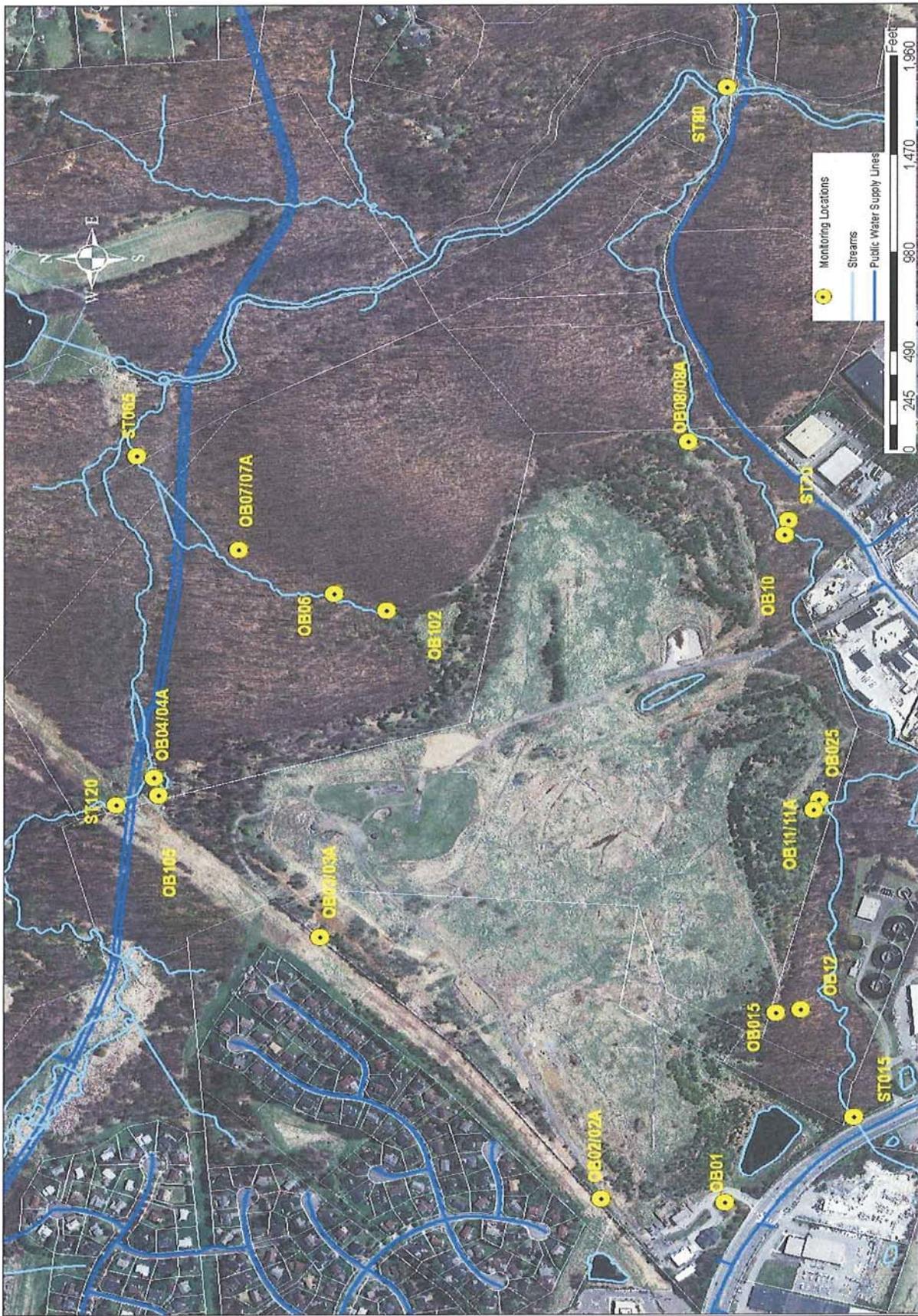
To provide an overall perspective on the quality of groundwater and surface water around the Gude Landfill, a summary of statistical trend analyses and observations are provided below and are included in Appendix C of this report. Please refer to the attached tables and diagrams for additional information.

- Most of the detected groundwater contaminants at Gude Landfill are Volatile Organic Compounds (VOCs). These low levels of VOCs detected in groundwater are generally not transported to surface waters.
- The overall number of detections per year has remained relatively constant over the past 7-8 year time period. However, the number of detections exceeding established MCLs appears to be increasing slightly over the same period.
- While some detected VOC concentrations appear to be trending upwards, the concentration for other VOCs seem to be decreasing over the same period.
- Since April 2001, about 70 % of all detections exceeding MCL have occurred in observation wells OB03-OB03A and OB11-OB11A.

Appendix A

Gude Landfill Aerial Photo and Sample Locations

Groundwater and Surface Water Monitoring Locations
Gude Landfill



Appendix B

Tables of Volatile Organic Compounds

Results in ($\mu\text{g/l}$)

TABAL 1 - Volatile Organic Compounds

	Parameter	OB01	OB02	OB2A	OB03	OB03A	OB04	OB04A	OB06	OB07
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	1.85	ND	ND	45	25.3	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	15.8	9.1	ND	ND	ND	ND
	1,4-Dichlorobenzene	1.94	ND	ND	13.6	12.6	6.06	7.33	1.43	ND
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	4.56	4.19	1.62	1.68	ND	ND
	Bromochloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	1.03	ND	ND	2.98	5.52	1.09	1.14	ND	ND
	Chloroethane	ND	ND	ND	1.55	1.21	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	11.8	ND	ND	156	84.9	17	21.8	2.12	1.63
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	1.93	3.38	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	2.05	1.39	ND	ND	ND	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	7.11	1.25	1.23	ND	ND
	Toluene	ND	ND	ND	1.49	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	9.59	6.06	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	ND	131	66.7	1.66	1.83	ND	ND
	Trichlorofluoromethane	ND	ND	ND	4.88	3.08	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	ND	ND	ND	30.5	22.9	1.53	2.12	ND	ND

APRIL 2009

NT: Not Tested, NS: Not Sampled, ND: Not Detected,

September 2009 Monitoring Results

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TABAL 1 - Volatile Organic Compounds

	Parameter	OB07A	OB08	OB08A	OB10	OB102	OB105	OB11	OB11A	OB12
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	ND	1.2	1.47	3.49	ND	ND	33.4	27.8	22.7
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	1.03	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NT	NT	NT	NT	NT	NT	NT	NT	NT
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	4.72	ND	ND
	1,2-Dichloropropane	ND	1.16	2.02	2.53	ND	ND	8.15	7.2	5.55
	1,4-Dichlorobenzene	ND	2.15	3.97	4.84	ND	3.38	14.6	15.2	4.18
	2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	2.7	ND	1.67	ND	1.27	ND	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	1.03	1.72	ND	ND	9.37	7.51	2.63
	Bromochloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.95	3.38	ND	2.27	ND	50	36.9	1.21
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	1.39
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	3	10.4	21.2	17.9	1.38	11.1	184	168	21.4
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	30.6	1.77	8.27
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	ND	2.67	2.49	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	1.81	ND	ND	1.03	ND	ND	43.9	33.8	15.4
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	1.37	2.39	ND	ND	6.37	5.45	1.91
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	ND	1.29	13.3	ND	1.25	51.5	42.4	18.1
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	3.98	2.14	2.42
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	ND	2.35	6.5	6.07	ND	1.51	20.3	15.4	6.3

APRIL 2009

NT: Not Tested, NS: Not Sampled, ND: Not Detected,

September 2009 Monitoring Results

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TABAL 1 - Volatile Organic Compounds

	Parameter	OB015	OB025	ST015	ST120	ST65	ST70	ST80
	1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
	1,1-Dichloroethane	4.62	1.13	ND	ND	ND	ND	ND
	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
	1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	NT	NT	NT	NT	NT	NT	NT
	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	ND	3.16	ND	ND	ND	ND	ND
	2-Butanone	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND
	Acetone	ND	ND	ND	ND	1.17	ND	ND
	Acrylonitrile	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND
	Bromochloromethane	NT	NT	NT	NT	NT	NT	NT
	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
	Bromoform	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	ND	ND	ND	ND	ND	ND	ND
	Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	1.93	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	ND	ND	ND	ND	ND	ND	ND
	cis-1,2-Dichloroethene	1.51	7.5	ND	1.54	ND	ND	ND
	cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND
	Dibromomethane	ND	ND	ND	ND	ND	ND	ND
	Dichloromethane	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND
	Methyl Iodide	ND	ND	ND	ND	ND	ND	ND
	Methyl Tertiary Butyl Ether	ND	ND	ND	ND	ND	1.19	ND
	ortho-Xylene	ND	ND	ND	ND	ND	ND	ND
	para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND
	Styrene	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
	trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND
	trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND
	Trichloroethene	ND	1.66	ND	ND	ND	ND	ND
	Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND
	Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT
	Vinyl Chloride	3.92	2.61	ND	ND	ND	ND	ND

APRIL 2009

NT: Not Tested, NS: Not Sampled, ND: Not Detected,

September 2009 Monitoring Results

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TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	14.51	2.08	2.95	5.95	2.27	2.5	ND	2.03	1.37	ND	2.31	1.48	1.09	NS	1.02	1.85	
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,3-Tetrachloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2.92	ND	2.34	1.16	1.88	ND	1.1	1.45	1.28	ND	1.04	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	1.75	ND	1.23	ND	1.37	ND	2.16	1.51	1.78	ND	NS	ND	ND	1.94
2-Butanone	NT	NT	ND	NT	ND	NT	NT	NT	NT	ND							
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	NT	ND											
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
Acrylonitrile	NT	NT	NT	ND	NT	ND											
Benzene	ND	ND	ND	1.28	ND												
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	1.04	ND	NT	ND	ND								
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.26	ND	1.21	ND	1.03
Chloroethane	1.31	ND															
Chloroform	ND	ND	NT	NT	ND	NT	ND	ND	ND								
Chloromethane	25.37	6.14	13.94	47.72	19.47	33.97	5.98	34.36	16.06	34.18	22.85	25.5	14.78	NS	11.8	ND	ND
cis-1,2-Dichlorethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	1.03	ND												
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.61	ND	2.2	ND	1.26	ND	ND	ND	ND	1.2	ND						
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.03	ND	ND	3.35	ND	1.08	ND	1.09	ND	1.13	ND	1.42	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Trichloroethene	5.41	3.11	3.85	12.71	4.37	5.77	1.03	2.49	2.25	2.34	1.52	1.44	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	NT	NT	ND	NT	ND	NT										
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	4.4	3.32	5.26	4.75	1.42	1.31	NS	ND	ND	ND
Vinyl Chloride	NT	NT	NT	ND	NT	ND	5.13	ND	4.4	3.32	5.26	4.75	1.42	1.31	NS	ND	ND

OB01

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	1.48	ND											
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	ND						
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	NT	ND								
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	NT	ND	ND	ND										
Chlormethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
cis-1,2-Dichloroethene	ND	1.9	50.54	21.16	12.61	4.53	6.06	1.79	1.41	1.14	1.19	1.96	1.38	1.15	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	1.84	2.89	ND	ND	ND	ND	ND	ND	1.67	ND						
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	NT															
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	ND									

OBO2

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.84	4.14	5.4	5.99	1.77	1.24	ND	1.1	ND								
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	NT	NT	NT	NT	ND											
2-Butanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	NT	ND										
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	ND	2.76	3.5	ND												
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	40.15	143.07	162.61	189.59	66.86	48.26	19.58	43.45	6.9	ND	ND	ND	ND	5.96	ND	6.87	9.19
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	6.6	12.1	1.52	3.37	ND										
Toluene	ND	ND	1.2	1.67	ND												
trans-1,2-Dichloroethene	ND	ND	trans-1,3-Dichloropropene	ND	ND	1.05	2.46	ND									
trans-1,4-Dichloro-2-butene	ND	ND	trans-1,4-Dichloro-2-butene	ND	NT	ND	ND										
Trichloroethene	3.57	5.06	26.98	30.84	9.27	6.68	5.14	4.6	2.27	ND	ND	ND	ND	1.57	ND	1.39	1.01
Trichlorofluoromethane	ND	ND	Vinyl Acetate	NT	ND												
Vinyl Chloride	NT	NT	Vinyl Chloride	NT	NT	NT	NT	3.45	1.39	1.74	ND						

OB02A

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	4.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	58.99	2.94	27.3	22.87	27.74	33.3	29.03	42.38	36.78	21.95	34.7	44.7	47.23	36.07	48.38	45	
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.64	ND	1.36	3.27	ND	2.44	1.4	1.41	ND	2.1	1.51	2.83	1.82	1.34	ND	NT	
1,2-Dichloroethane	3.49	ND	2.18	2.45	2.33	1.89	3.03	2.58	3.87	2.95	5.32	4.98	4.09	4.81	ND		
1,2-Dichloropropane	12.62	ND	6.32	4.87	7.91	10.73	10.53	11.53	9.4	13.74	9.67	15.23	14.47	12.33	16.14	15.8	
1,4-Dichlorobenzene	6.51	ND	11.14	6.19	16.14	12.78	11.14	10.97	10.01	15.05	13.83	16.69	7.97	ND	ND	13.6	
2-Butanone	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
4-Methyl-2-Pentanone	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	9.03	ND	5.17	7.48	6.58	5.28	2.4	4.29	3.34	4.53	3.99	6.12	4.62	3.2	5.53	4.56	
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon disulfide	ND	ND	2.12	ND	1.3	ND	1.03	ND	ND	ND	ND	ND	ND	NT	NT	NT	
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	1.36	ND	6.95	38.11	6.25	4.42	4.22	3.24	4.92	3.98	5.59	3.89	2.32	2.04	2.76	2.98	
Chloroethane	2.19	ND	1.92	ND	2.35	1.11	1.9	1.73	1.48	1.49	1.59	1.23	1.19	1.61	1.55		
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	
cis-1,2-Dichloroethene	88.85	11.41	48.32	86.56	47.05	67.11	56.21	98.51	71.67	128.85	87.59	148.91	161.47	120.9	164.77	156	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.57	ND	2.05
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
para-Xylene & meta-Xylene	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	1.33	ND	ND	ND	
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	90.52	ND	6.99	61.22	1.65	26.04	3.06	23.14	1.85	22.97	27.73	ND	ND	ND	4.49	ND	
Toluene	1.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.46	ND	ND	1.49
trans-1,2-Dichloroethene	5.66	ND	2.67	3.9	4.84	4.97	4.09	6.27	5.19	11.59	7	12.95	8.87	12.43	11.02	9.59	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
Trichloroethene	90.07	4.5	47.33	38.27	53.13	80.53	110.03	92.22	71.55	112.28	76.03	108.24	132.6	107.44	130.79	131	
Trichlorofluoromethane	6.87	ND	2.38	2.87	ND	3.3	2.44	3.18	4.34	ND	ND	ND	ND	ND	ND	ND	4.88
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl Chloride	NT	NT	NT	NT	NT	16.08	17.86	19.76	11.67	30.39	19.65	31.39	23.16	17.61	29.48	30.5	

OBO3

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-F	2002-S	2003-F	2003-S	2004-F	2004-S	2005-F	2005-S	2006-F	2006-S	2007-F	2007-S	2008-Firs	2008-S	2009-F	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	2009-F
1,1,2-Trichloroethane	4.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	74.57	93.16	1.67	4.44	2.25	38.51	2.73	42.13	18.85	23.61	15.56	44.14	50.9	41.01	46.99	25.3	
1,1-Dichloroethylene	1.22	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2.18	ND	1.1	ND	ND	2	ND	1.54	ND	2.11	1.23	2.07	2	1.65	ND	NT	NT
1,2-Dichloroethane	4.55	4.87	ND	ND	2.77	ND	3.3	1.82	3.59	1.33	5.52	5.07	4.4	4.1	ND	ND	ND
1,2-Dichloropropane	16.5	15.18	ND	1.27	ND	12.68	ND	12.09	7.02	12.72	4.05	14.78	14.83	13.07	13.54	9.1	
1,4-Dichlorobenzene	8.57	8.67	7.48	11	8.44	14.11	10.38	11.61	9.64	15.61	16.31	14.76	7.67	ND	ND	12.6	
2-Butanone	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	11.29	8.07	5.51	5.3	6.76	6.31	4.44	4.66	2.73	5.18	3.8	6.23	4.47	5.44	4.08	4.19	
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.29	ND	10.5	18.41	10.75	4.71	19.21	3.6	10.33	5.24	13.9	2.8	1.98	2.87	3.73	5.52	
Chloroethane	2.92	2.45	ND	1.62	1.01	1.26	1.02	1.41	ND	1.53	1.42	1.63	1.43	1.38	1.69	1.21	
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
cis-1,2-Dichlorethane	137.87	130.79	2.57	2.63	ND	79.29	3.01	102.56	41.96	117.86	29.76	150.17	168.82	141.19	137.52	84.9	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	1.39
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	41.02	ND	30.99	ND	29.4	ND	33.23	1.66	26.21	3.67	7.11		
Tetrachloroethene	102.1	74.03	1.65	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.05	ND	ND	ND	ND
trans-1,2-Dichloroethene	8.78	8.22	ND	1.99	1.39	5.71	1.22	6.22	3.1	9.08	3.72	10.82	9.93	11.68	9.08	6.06	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	84.92	4.89	85.13	51.33	95.18	20.26	97.78	141.41	101.3	113.09	66.7	
Trichloroethene	113.5	111.71	1.26	1.75	ND	ND	3.01	ND	ND	ND	3.77	ND	ND	ND	ND	ND	3.08
Trichlorofluoromethane	8.19	7.16	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	18.6	1.47	19.56	4.62	26.98	5.96	30.58	23.11	22.43	27.36	22.9	

OBO3A

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,1-Dichloroethane	ND															
	1,2,3-Trichloropropane	ND															
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	NT	ND													
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND	ND	NT	NT	ND	ND	11.51	ND								
	2-Butanone	ND	NT	NT	ND												
	2-Hexanone	ND	NT	ND													
	4-Methyl-2-Pentanone	ND	NT	NT	NT	ND											
	Acetone	ND	NT	NT	NT	ND											
	Acrylonitrile	NT	ND														
	Benzene	ND	1.21	1.68													
	Bromochloromethane	ND	NT	ND													
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
	Carbon disulfide	ND	ND	1.19	ND	NT	ND										
	Carbon Tetrachloride	ND															
	Chlorobenzene	ND	1.11	1.05	1.19	ND	ND										
	Chloroethane	ND															
	Chloroform	ND	ND	NT	ND	ND											
	Chloromethane	NT	NT	4.87	4.85	11.27	3.94	9.25	1.38	18.27	2.59	18.58	18.76	20.95	6.45	15.43	18.92
	cis-1,2-Dichloroethene	ND	17														
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND	2.53	ND	1.48	1.6	1.42	ND	ND	1.42							
	Ethylbenzene	ND															
	Methyl Iodide	ND	NT	NT	ND												
	Methyl Tertiary Butyl Ether	NT	ND	ND													
	ortho-Xylene	ND															
	para-Xylene & meta-Xylene	ND															
	Styrene	ND															
	Tetrachloroethene	4.08	1.33	1.96	3.16	ND	1.52	ND	1.15	ND	2.23	1.93	2.07	ND	1.34	1.99	1.25
	Toluene	ND															
	trans-1,2-Dichloroethene	ND															
	trans-1,3-Dichloropropene	ND															
	trans-1,4-Dichloro-2-butene	ND	NT	NT	ND												
	Trichloroethene	2.7	1.15	ND	1.55	ND	1.88	ND	1.71	ND	2.19	1.82	2.12	ND	1.4	1.82	1.66
	Trichlorofluoromethane	ND															
	Vinyl Acetate	NT															
	Vinyl Chloride	NT	1.57	ND	1.23	1.7	ND	1.47	1.53								

OB04

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.76	4.02	6.45	6.47	ND	5.66	5.63	ND	4.58	7.3	6.87	7.42	ND	4.46	ND	7.33	
2-Butanone	NT	NT	NT	NT	ND	NT	NT	NT	ND								
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
4-Methyl-2-Pentanone	ND	ND	ND	ND	NT	ND											
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	1.81	ND	1.48	1.79	1.64	1.4	ND	ND	ND	1.65	1.72	1.83	1.4	1.32	1.65	1.68	
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	NT	ND	ND	ND											
Chloromethane	NT	NT	19.38	22.97	18.94	15.36	11.88	5.65	12.82	23.31	24.08	26.31	23.78	20.7	24.4	21.8	
cis-1,2-Dichloroethene	26.49	18.02	19.38	22.97	18.94	15.36	11.88	5.65	12.82	23.31	24.08	26.31	23.78	20.7	24.4	21.8	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	4.09	2.3	1.97	1.24	2.49	2.19	1.84	ND	1.5	2.77	3.31	2.67	2.45	ND	2.98	3.38	
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	3.55	1.44	2.37	ND	1.01	1.39	ND	1.45	1.92	1.77	1.65	1.42	1.34	1.7	1.23		
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Trichloroethene	2.97	1.54	1.7	2.19	1.94	2.02	1.53	ND	1.87	2.24	1.93	2.08	1.96	1.45	1.87	1.83	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	1.49	1.43	ND	1.15	1.06	2.02	1.37	1.39	1.65	2.12

OBO4A

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	1.46	1.46	ND	1.32	ND	1.08	ND	1.1	ND	1.44	1.03	ND	ND	ND	ND	1.43
2-Butanone	NT	NT	NT	NT	ND	ND	ND	ND	ND	NT	ND						
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	1.22	ND	NT	NT	ND											
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	NT	ND	ND	ND												
Chloromethane	2.78	1.33	2.87	3.03	2.59	2.01	ND	2.17	ND	2.77	NT	2.92	2.31	2.39	2.55	2.12	
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.52	ND	1.81	ND	ND	ND	ND	ND	ND	1.11	1.15	ND	ND	1.01	ND	ND	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	ND	NT															
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

OB06

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.54	ND	2.28	ND	ND	1.43	1.88	1.14	ND	ND	1.68	ND	ND	ND	ND	1.3	ND
Toluene	2.09	1.11	2.62	ND													
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

OB07

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,2,3-Trichloropropene	ND															
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND															
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND															
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
	2-Hexanone	ND	NT	NT	ND												
	4-Methyl-2-Pentanone	NT	ND														
	Acetone	ND	NT	NT	NT	ND											
	Acrylonitrile	NT	ND														
	Benzene	ND															
	Bromochloromethane	ND	NT	ND													
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
	Carbon disulfide	ND	NT	ND	ND												
	Carbon Tetrachloride	ND															
	Chlorobenzene	ND															
	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	NT	ND	ND													
	cis-1,2-Dichloroethene	3.43	2.06	2.56	2.66	1.67	1.25	1.01	1.45	1.05	2.6	2.02	2.02	2.09	1.85	3.51	3
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND															
	Ethylbenzene	ND															
	Methyl Iodide	ND	NT	ND	ND												
	Methyl Tertiary Butyl Ether	NT	ND														
	ortho-Xylene	ND															
	para-Xylene & meta-Xylene	ND															
	Styrene	ND															
	Tetrachloroethylene	4.64	1.95	3.49	ND	1.23	1.41	1.75	1.15	1.41	2.56	1.59	1.46	1.91	2.12	2.66	1.81
	Toluene	ND															
	trans-1,2-Dichloroethene	ND															
	trans-1,3-Dichloropropene	ND															
	trans-1,4-Dichloro-2-butene	ND	NT	ND	ND												
	Trichloroethene	1.61	ND	1.09	1.22	ND											
	Trichlorofluoromethane	ND															
	Vinyl Acetate	NT															
	Vinyl Chloride	NT	ND														

OBOTIA

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	NS	ND												
1,1,1-Trichloroethane	ND	ND	ND	NS	ND												
1,1,2,2-Tetrachloroethane	ND	ND	ND	NS	ND												
1,1,2-Trichloroethane	ND	ND	ND	NS	ND												
1,1-Dichloroethane	ND	ND	ND	NS	ND												
1,1-Dichloroethene	ND	ND	ND	NS	ND												
1,2,3-Trichloropropane	ND	ND	ND	NS	ND												
1,2-Dibromo-3-chloropropan	ND	ND	ND	NS	ND												
1,2-Dibromoethane	ND	ND	ND	NS	ND												
1,2-Dichlorobenzene	ND	ND	ND	NS	ND												
1,2-Dichloroethane	ND	ND	ND	NS	ND												
1,2-Dichloropropane	ND	2.5	ND	NS	ND	1.78	1.59	1.67	ND	ND	1.24						
1,4-Dichlorobenzene	ND	6.39	ND	NS	ND	2.1	3.35	3.16	ND	ND	1.16						
2-Butanone	NT	NT	NS	NT	ND	NT	NT	NT	NT	NT	ND						
2-Hexanone	ND	ND	ND	NS	ND	NT	NT	NT	NT	NT	ND						
4-Methyl-2-Pentanone	NT	NT	NS	ND	ND	ND	NT	ND									
Acetone	ND	ND	ND	NS	ND												
Acrylonitrile	NT	NT	NS	NS	NT	2.7											
Benzene	ND	1.21	ND	NS	ND	1.09	ND	ND	ND	ND	ND						
Bromochloromethane	ND	ND	NS	ND													
Bromodichloromethane	ND	ND	NS	ND													
Bromoform	ND	ND	NS	ND													
Bromomethane	ND	ND	NS	ND													
Carbon disulfide	ND	1.25	ND	NS	ND	NT	NT	ND									
Carbon Tetrachloride	ND	ND	NS	ND													
Chlorobenzene	ND	5.15	ND	NS	ND	4.81	4.14	4.04	ND	ND	22.02						
Chloroethane	ND	ND	NS	ND	1.95												
Chloroform	ND	ND	NS	NT	NS	NT	ND	ND	ND								
Chlormethane	NT	NT	NS	NT	NS	NT	ND	ND	ND								
cis-1,2-Dichloroethene	2.52	29.93	2.08	NS	1.85	1.76	ND	1.34	ND	9.92	8.88	11.07	3.92	3.1	10.93	10.4	
cis-1,3-Dichloropropene	ND	ND	NS	ND													
Dibromochloromethane	ND	ND	NS	ND													
Dibromomethane	ND	ND	NS	ND													
Dichloromethane	ND	ND	NS	ND													
Ethylbenzene	ND	ND	NS	ND													
Methyl Iodide	ND	2.63	ND	NS	ND	NT	NT	ND									
Methyl Tertiary Butyl Ether	NT	NT	NS	NT	ND	ND											
ortho-Xylene	ND	ND	NS	ND													
para-Xylene & meta-Xylene	ND	ND	NS	ND													
Styrene	ND	ND	NS	ND													
Tetrachloroethene	ND	28.07	ND	NS	ND												
Toluene	ND	ND	NS	ND													
trans-1,2-Dichloroethene	ND	ND	NS	ND	1.22	1.11	1.26	ND	ND								
trans-1,3-Dichloropropene	ND	ND	NS	ND													
trans-1,4-Dichloro-2-butene	ND	ND	NS	ND	NT	NT	NT	NT	ND								
Trichloroethene	ND	21.35	ND	NS	ND												
Trichlorofluoromethane	ND	3.01	ND	NS	ND												
Vinyl Acetate	NT	NT	NS	NT													
Vinyl Chloride	NT	NT	NS	NT	2.67	2.47	2.98	ND	ND	2.35							

OB08

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locality	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F	
1,1,1,2-Tetrachloroethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	1.48	34.39	ND	NS	ND	1.43	1.05	ND	ND	ND	1.47							
1,1-Dichloroethene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07 ND	
1,2,3-Trichloropropane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropan	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	1.39	6.61	ND	NS	ND	2.53	2.17	2.33	1.22	ND	2.11	2.02						
1,4-Dichlorobenzene	ND	10.04	ND	NS	ND	5.86	4.47	4.75	ND	ND	ND	3.97						
2-Butanone	NT	NT	NS	NT	ND	ND	NT	NT	NT	ND								
2-Hexanone	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
4-Methyl-2-Pentanone	NT	NT	NS	NT	ND	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	
Acetone	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
Acrylonitrile	NT	NT	NS	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	
Benzene	ND	10.31	ND	NS	ND	1.39	1.23	1.26	ND	ND	1.09	1.03						
Bromo-chloromethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	
Bromodichloromethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon disulfide	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
Carbon Tetrachloride	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	ND	63.67	ND	NS	ND	5.54	4.84	4.64	2.27	ND	3.43	3.38						
Chloroethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloromethane	NT	NT	NS	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	
cis-1,2-Dichloroethene	13.9	72.56	8.9 NS	2.46	2.79	ND	3.73	4.33	18.21	14.02	21.08	10.07	8.42	22.57	21.2			
cis-1,3-Dichloropropene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromomethane	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dichloromethane	ND	27.89	ND	NS	ND	ND	ND	ND	ND	ND								
Ethylbenzene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl Iodide	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
Methyl Tertiary Butyl Ether	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	
ortho-Xylene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
para-Xylene & meta-Xylene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene	ND	ND	58.78	1.12 NS	ND	ND	ND	ND	ND	ND								
Tetrachloroethene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	ND	4.05	ND	NS	ND	1.79	1.45	1.89	ND	ND	1.48	1.37						
trans-1,3-Dichloropropene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,4-Dichloro-2-butene	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
Trichloroethene	8.2	61.1	4.88 NS	1.32	2.34	ND	2.44	2.26	3.72	1.51	2.3	ND	ND	ND	ND	ND	1.52	1.29
Trichlorofluoromethane	ND	7.61	ND	NS	ND	ND	NT	NT	NT	ND								
Vinyl Acetate	NT	NT	NS	NT	NT	NT	NT	NT	NT	NT	NT	4.03	3.44	4.8	1.6 ND	5.16	6.5	
Vinyl Chloride	NT	NT	NS	NT	NT	NT	ND	ND	ND	ND	ND							

OB08A

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	1.58	ND													
1,1,2-Trichloroethane	ND	ND	3.2	3.06	3.18	2.23	3.88	3.7	1.99	2.99	ND	ND	2.2	4.99	1.04	1.51	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.49
1,1,1-Dichloroethene	ND	ND	ND	ND	1.3	ND											
1,2,3-Trichloropropane	ND	ND	ND	ND	5.71	ND											
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	1.19	ND	NT
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	2.03	2.72	1.88	1.52	2.16	3.11	2.01	2.36	1.08	ND	1.48	4.46	4.55	1.84	ND	2.53
1,4-Dichlorobenzene	ND	1.38	4.52	1.2	1.28	2.43	2.03	2.53	ND	11	ND	1.02	6.22	ND	ND	ND	4.84
2-Butanone	NT	NT	ND	NT	ND	NT	NT	NT	NT	ND							
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	NT	ND
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	1.67
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	2.36	1.95	1.18	1.77	2.14	ND	1.87	ND	ND	ND	ND	2.86	ND	1.1	ND	1.72
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	1.75	ND	ND	ND	ND	ND	1.25	ND	ND	ND	ND	ND	1.03	NT	NT	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	NT	ND	ND	ND	ND	ND									
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
cis-1,2-Dichloroethene	35.9	42.63	22.43	18.6	22.58	22.03	10.04	21.18	4.81	ND	13.7	34.09	20.83	9.73	ND	17.9	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	2.84	ND											
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	12.02	ND	9.45	ND	6.03	ND	2.28	ND	ND	2.47	ND	ND	ND	ND	ND	ND	1.03
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	1.86	1.79	ND	1.8	1.07	1.96	ND	ND	5.04	1.12	1.49	ND	2.39	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
Trichloroethene	25.98	44.94	14.45	19.73	15.42	33.16	15.67	23.54	8.76	ND	10.6	28.64	1.31	3.73	ND	13.3	
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	9.43	5.66	9.35	ND	2.43	16.03	2.15	12.62	ND	6.07

OBO10

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Chloroethane	ND															
	1,1-Dichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,2,3-Trichloropropane	ND															
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND															
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobenzene	ND	ND	1.05	ND	12	2.03	ND	1.43								
	2-Butanone	NT	NT	NT	NT	ND	NT	NT	NT	NT	ND						
	2-Hexanone	ND	NT	NT	NT	NT	ND										
	4-Methyl-2-Pentanone	NT	ND														
	Acetone	ND	NT	NT	NT	NT	ND										
	Acrylonitrile	NT	ND														
	Benzene	ND															
	Bromochloromethane	ND															
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
	Carbon disulfide	ND	2.07	2.13	ND	NT	NT	ND									
	Carbon Tetrachloride	ND															
	Chlorobenzene	ND															
	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	NT	ND														
	cis-1,2-Dichloroethene	ND	2.3	2.14	2.5	1.75											
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND															
	Ethylbenzene	ND															
	Methyl Iodide	ND	ND	1.05	ND	NT	ND										
	Methyl Tertiary Butyl Ether	NT	ND														
	ortho-Xylene	ND															
	para-Xylene & meta-Xylene	ND															
	Styrene	ND	ND	1.32	1.83	ND											
	Tetrachloroethene	ND															
	trans-1,2-Dichloroethene	ND															
	trans-1,3-Dichloropropene	ND															
	trans-1,4-Dichloro-2-butene	ND	NT	NT	ND												
	Trichloroethene	ND															
	Trichlorofluoromethane	ND	NT	ND													
	Vinyl Acetate	NT															
	Vinyl Chloride	NT	ND														

OB102

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	NS	ND														
	1,1,1-Trichloroethane	NS	ND														
	1,1,2,2-Tetrachloroethane	NS	ND														
	1,1,2-Trichloroethane	NS	ND														
	1,1-Dichloroethane	NS	ND														
	1,1-Dichloroethene	NS	ND														
	1,2,3-Trichloropropane	NS	ND														
	1,2-Dibromo-3-chloropropan	NS	ND														
	1,2-Dibromoethane	NS	ND														
	1,2-Dichlorobenzene	NS	ND	NT	NT												
	1,2-Dichloroethane	NS	ND														
	1,2-Dichloropropane	NS	ND														
	1,4-Dichlorobenzene	NS	ND	ND	NT	ND	NT	NT	ND								
	2-Butanone	NS	NT	NT	ND	NT	NT	ND									
	2-Hexanone	NS	ND														
	4-Methyl-2-Pentanone	NS	NT	ND													
	Acetone	NS	ND	NT	NT	1.27											
	Acrylonitrile	NS	NT	ND													
	Benzene	NS	ND														
	Bromochloromethane	NS	ND														
	Bromodichloromethane	NS	ND														
	Bromoform	NS	ND														
	Bromomethane	NS	ND														
	Carbon disulfide	NS	ND	NT	ND	ND											
	Carbon Tetrachloride	NS	ND														
	Chlorobenzene	NS	ND														
	Chloroethane	NS	ND														
	Chloroform	NS	ND														
	Chlormethane	NS	NT	ND	ND												
	cis-1,2-Dichlorethane	NS	ND														
	cis-1,3-Dichloropropene	NS	ND														
	Dibromochloromethane	NS	ND														
	Dibromomethane	NS	ND														
	Dichloromethane	NS	ND														
	Ethylbenzene	NS	ND														
	Methyl Iodide	NS	ND	NT	ND	ND											
	Methyl Tertiary Butyl Ether	NS	NT	ND	ND												
	ortho-Xylene	NS	ND														
	para-Xylene & meta-Xylene	NS	ND														
	Styrene	NS	ND														
	Tetrachloroethene	NS	ND														
	Toluene	NS	ND														
	trans-1,2-Dichloroethene	NS	ND														
	trans-1,3-Dichloropropene	NS	ND														
	trans-1,4-Dichloro-2-butene	NS	ND	NT	NT	ND											
	Trichloroethene	NS	ND	1.25													
	Trichlorofluoromethane	NS	NT	ND	ND												
	Vinyl Acetate	NS	NT														
	Vinyl Chloride	NS	NT	1.51													

OB105

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Chloroethane	1.5	ND	1.48	ND	ND	16.58	12.43	17.06	13.27	15.9	29.18	29.33	11.14	23	31.01	33.4	
1,1-Dichloroethane	15.45	ND	13.8	19.59	36.31	1.01	ND	0.89	1.03								
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1.77	1.03	ND									
1,2-Dichloroethane	ND	ND	1.11	2.56	1.07	1.4	1.28	1.38	3.81	ND	ND	ND	ND	ND	1.55	ND	
1,2-Dichloropropane	2.38	ND	2.14	3.37	5.13	3.74	3.92	3.41	3.47	8.11	7.99	8.27	4.67	6.31	8.28	8.15	
1,4-Dichlorobenzene	ND	ND	ND	ND	1.21	6.1	3.15	5.46	1.43	ND	13.38	12.63	13.36	2.46	6.43	ND	14.6
2-Butanone	NT	NT	NT	ND	NT	NT	NT	ND									
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	ND	1.07	3.28	7.22	3.17	3.43	2.04	1.43	9.78	9.69	10.69	2.04	6.16	9.56	9.37	
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.94	2.25	1.22	ND	ND	NT	
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	NT	NT	ND	
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	
Chlorobenzene	ND	ND	5.14	14.96	36.13	19.64	31.35	15.03	12.61	60.16	56.32	61.28	11.69	35.91	52.75	50	
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloromethane	NT	NT	1.7	26.92	46.08	141.35	41.73	53.18	46.22	45.81	149.39	164.85	176.66	92.93	137.27	190.55	184
cis-1,2-Dichloroethene	25.68	ND															
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromomethane	ND	ND	8.96	14.29	22.08	ND	4.41	ND	2.51	42.44	42.01	35.48	9.24	19.47	28.72	30.6	
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.2	ND	6.41	2.67
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene	ND	ND	21.58	ND	26.34	36.32	34.22	26.31	20.17	65.48	62	60.22	32.4	52.48	67.92	43.9	
Tetrachloroethene	36	ND	1	ND													
Toluene	ND	ND	ND	1.57	5.27	1.49	1.71	1.24	1.09	6.19	5.6	8.31	2.88	8.83	7.15	6.37	
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	
trans-1,4-Dichloro-2-butene	ND	ND	17.31	30.06	39.15	28.57	26.35	25.32	20.17	55.99	52.41	59.1	28.56	42.66	53.74	51.5	
Trichloroethene	18.9	ND	1.72	3.78	ND	3.22	1.87	1.66	ND	4.37	4.25	5.59	1.93	2.85	4.58	3.98	
Trichlorofluoromethane	1.58	ND	NT														
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

OB11

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Chloroethane	5.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	60.97	1.43	13.69	23.13	18.91	26.32	9.72	30.41	27.58	6.36	14.01	28.55	28.9	24.24	23.08	27.8	
1,1-Dichloroethylene	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3.9	ND	1.11	1.76	ND	2.16	ND	1.99	ND	1.84	1.29	1.88	2.45	2.05	ND	NT	NT
1,2-Dichloroethane	4.55	ND	1.17	1.96	ND	2.59	ND	3.16	3.15	2.36	ND	5.76	5.34	4.48	3.6	ND	ND
1,2-Dichloropropane	10.71	1.19	2.59	4.87	2.28	7.1	2.69	6.69	7.89	5.03	3.93	8.63	7.85	7.26	6.44	7.2	
1,4-Dichlorobenzene	12.28	ND	4.33	6.16	ND	9.88	ND	10.33	8.3	9.1	8.58	15.32	11.24	12.3	ND	15.2	
2-Butanone	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	17.54	ND	4.7	7.54	ND	7.71	ND	8.53	5.66	5.76	4.87	9.72	7.37	7.13	6.67	7.51	
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	102.7	ND	19.98	38.78	4.61	54.04	5.74	51.74	51.24	34.47	23.03	52.49	42.48	39.6	33.51	36.9	
Chloroethane	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
cis-1,2-Dichloroethene	99.48	13.44	54.65	87.72	37.71	102.11	23.84	126.58	119.67	100.04	86.72	189.64	189.43	173.52	148.44	168	
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	52.22	ND	7.18	11.68	13.59	15.83	ND	10.77	8.39	3.6	2.74	9.3	5.59	1.73	2.72	1.77	
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.33	ND	5.76	2.49	
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	115.7	ND	20.1	67.55	15.44	53.93	28.72	42.58	47.07	37.1	23.91	51.32	54.18	53.26	44.75	33.8	
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	7.04	ND	2.01	4.03	ND	3.65	ND	4.65	3.57	3.67	2.74	8.79	9.82	10.82	5.07	5.45	
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND	ND
Trichloroethene	101.67	7.41	19.82	41.58	16.84	51.64	16.94	50.65	52.6	34.14	24.25	53.8	50.9	45.34	39.05	42.4	
Trichlorofluoromethane	9.27	ND	1.93	2.72	ND	4.34	1.95	2.97	2.52	1.24	1.04	3.79	2.9	2.1	2.09	2.14	
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	10.51	ND	13.3	7.95	12.01	10.23	18.34	13.71	12.75	13.43

OB11A

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	NS	ND	NS	NS	NS	NS	NS	ND									
1,1,1-Trichloroethane	NS	ND	NS	NS	NS	NS	NS	ND									
1,1,2,2-Tetrachloroethane	NS	ND	NS	NS	NS	NS	NS	ND									
1,1,2-Trichloroethane	NS	ND	NS	NS	NS	NS	NS	ND									
1,1-Dichloroethane	NS	ND	NS	NS	NS	NS	NS	ND									
1,1-Dichloroethene	NS	ND	NS	NS	NS	NS	NS	ND									
1,2,3-Trichloropropane	NS	ND	NS	NS	NS	NS	NS	ND									
1,2-Dibromo-3-chloropropan	NS	ND	NS	NS	NS	NS	NS	ND									
1,2-Dibromoethane	NS	ND	NS	NS	NS	NS	NS	ND									
1,2-Dichlorobenzene	NS	ND	NS	NS	NS	NS	NS	ND	NT	NT							
1,2-Dichloroethane	NS	ND	NS	NS	NS	NS	NS	ND	NT	NT							
1,2-Dichloropropane	NS	ND	NS	NS	NS	NS	NS	ND									
1,4-Dichlorobenzene	NS	ND	NS	NS	NS	NS	NS	ND									
2-Butanone	NS	NT	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
2-Hexanone	NS	ND	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
4-Methyl-2-Pentanone	NS	NT	NS	NS	NS	NS	NS	NT	ND								
Acetone	NS	ND	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	NT	ND
Acrylonitrile	NS	NT	NS	NS	NS	NS	NS	NT	ND								
Benzene	NS	ND	NS	NS	NS	NS	NS	ND									
Bromochloromethane	NS	ND	NS	NS	NS	NS	NS	ND									
Bromodichloromethane	NS	ND	NS	NS	NS	NS	NS	ND									
Bromoform	NS	ND	NS	NS	NS	NS	NS	ND									
Bromomethane	NS	ND	NS	NS	NS	NS	NS	ND									
Carbon disulfide	NS	ND	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Carbon Tetrachloride	NS	ND	NS	NS	NS	NS	NS	ND									
Chlorobenzene	NS	ND	NS	NS	NS	NS	NS	ND									
Chloroethane	NS	ND	NS	NS	NS	NS	NS	ND									
Chloroform	NS	ND	NS	NS	NS	NS	NS	ND									
Chloromethane	NS	NT	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
cis-1,2-Dichloroethene	NS	ND	NS	NS	NS	NS	NS	ND									
cis-1,3-Dichloropropene	NS	ND	NS	NS	NS	NS	NS	ND									
Dibromochloromethane	NS	ND	NS	NS	NS	NS	NS	ND									
Dibromomethane	NS	ND	NS	NS	NS	NS	NS	ND									
Dichloromethane	NS	ND	NS	NS	NS	NS	NS	ND									
Ethylbenzene	NS	ND	NS	NS	NS	NS	NS	ND									
Methyl Iodide	NS	ND	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NS	NT	NS	NS	NS	NS	NS	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
ortho-Xylene	NS	ND	NS	NS	NS	NS	NS	ND									
para-Xylene & meta-Xylene	NS	ND	NS	NS	NS	NS	NS	ND									
Styrene	NS	ND	NS	NS	NS	NS	NS	ND									
Tetrachloroethene	NS	ND	NS	NS	NS	NS	NS	ND									
trans-1,2-Dichloroethene	NS	ND	NS	NS	NS	NS	NS	ND									
trans-1,3-Dichloropropene	NS	ND	NS	NS	NS	NS	NS	ND									
trans-1,4-Dichloro-2-butene	NS	ND	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Trichloroethene	NS	ND	NS	NS	NS	NS	NS	ND									
Trichlorofluoromethane	NS	ND	NS	NS	NS	NS	NS	ND									
Vinyl Acetate	NS	NT	NS	NS	NS	NS	NS	NT									
Vinyl Chloride	NS	NT	NS	NS	NS	NS	NS	1.01	1.8	ND							

OB12

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.28	1.1	1.51
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.92
																	2.78
																	6.29
																	11.66
																	6.33
																	4.28

OB015

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Chloroethane	ND															
	1,1-Dichloroethene	ND															
	1,1-Dichloropropane	ND															
	1,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	NT	ND	1.13												
	1,2-Dichloroethane	ND															
	1,2,3-Trichloropropane	ND															
	1,2-Dichloropropane	ND															
	1,2-Dichlorobenzene	ND	NT	ND	3.16												
	1,2-Dichloroethane	ND	NT	ND	ND												
	1,2-Dichloropropane	ND	NT	ND	ND												
	1,4-Dichlorobenzene	ND	NT	ND	ND												
	2-Butanone	NT	ND														
	2-Hexanone	ND	NT	ND	ND												
	4-Methyl-2-Pentanone	NT	ND														
	Acetone	ND	NT	ND	ND												
	Acrylonitrile	NT	ND	ND													
	Benzene	ND															
	Bromochloromethane	ND															
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
	Carbon disulfide	ND	NT	NT	ND	ND											
	Carbon Tetrachloride	ND															
	Chlorobenzene	ND															
	Chloroethane	ND															
	Chloroform	ND															
	Chloromethane	NT	ND														
	cis-1,2-Dichloroethene	ND															
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND															
	Ethylbenzene	ND															
	Methyl Iodide	ND	NT	NT	ND												
	Methyl Tertiary Butyl Ether	NT	ND	ND													
	ortho-Xylene	ND															
	para-Xylene & meta-Xylene	ND															
	Styrene	ND															
	Tetrachloroethene	ND	ND	1.45	ND	1.44	ND	ND	ND	ND							
	Toluene	ND															
	trans-1,2-Dichloroethene	ND															
	trans-1,3-Dichloropropene	ND															
	trans-1,4-Dichloro-2-butene	ND	NT	NT	ND	ND											
	Trichloroethene	ND	1.04	2.43	1.21	ND	ND										
	Trichlorofluoromethane	ND	NT	NT	ND												
	Vinyl Acetate	NT	ND														
	Vinyl Chloride	NT	2.61														

OB25

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	ND											
	1,1,1,2-Trichloroethane	NS	NS	NS	NS	ND											
	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	ND											
	1,1,2-Trichloroethane	NS	NS	NS	NS	ND											
	1,1-Dichloroethane	NS	NS	NS	NS	ND											
	1,1-Dichloroethylene	NS	NS	NS	NS	ND											
	1,2,3-Trichloropropane	NS	NS	NS	NS	ND											
	1,2-Dibromo-3-chloropropan	NS	NS	NS	NS	ND											
	1,2-Dibromoethane	NS	NS	NS	NS	ND											
	1,2-Dichlorobenzene	NS	NS	NS	NS	ND	NT	ND									
	1,2-Dichloroethane	NS	NS	NS	NS	ND											
	1,2-Dichloropropane	NS	NS	NS	NS	ND											
	1,4-Dichlorobenzene	NS	NS	NS	NS	ND											
	2-Butanone	NS	NS	NS	NS	NT	ND	NT	ND	ND							
	2-Hexanone	NS	NS	NS	NS	ND	NT	ND	ND								
	4-Methyl-2-Pentanone	NS	NS	NS	NS	NT	ND	NT	ND	NT	ND	NT	ND	NT	NT	ND	ND
	Acetone	NS	NS	NS	NS	ND	NT	ND	ND								
	Acrylonitrile	NS	NS	NS	NS	NT	ND										
	Benzene	NS	NS	NS	NS	ND	1.11	ND	ND								
	Bromochloromethane	NS	NS	NS	NS	ND											
	Bromodichloromethane	NS	NS	NS	NS	ND											
	Bromoform	NS	NS	NS	NS	ND											
	Bromomethane	NS	NS	NS	NS	ND											
	Carbon disulfide	NS	NS	NS	NS	ND	NT	ND	NT								
	Carbon Tetrachloride	NS	NS	NS	NS	ND											
	Chlorobenzene	NS	NS	NS	NS	ND											
	Chloroethane	NS	NS	NS	NS	ND											
	Chloroform	NS	NS	NS	NS	ND											
	Chloromethane	NS	NS	NS	NS	NT	ND	ND									
	cis-1,2-Dichloroethene	NS	NS	NS	NS	ND											
	cis-1,3-Dichloropropene	NS	NS	NS	NS	ND											
	Dibromochloromethane	NS	NS	NS	NS	ND											
	Dibromomethane	NS	NS	NS	NS	ND											
	Dichloromethane	NS	NS	NS	NS	ND											
	Ethylbenzene	NS	NS	NS	NS	ND	1.15	ND	ND								
	Methyl Iodide	NS	NS	NS	NS	ND	NT	ND									
	Methyl Tertiary Butyl Ether	NS	NS	NS	NS	NT	ND	ND									
	ortho-Xylene	NS	NS	NS	NS	ND	1.45	ND	ND								
	para-Xylene & meta-Xylene	NS	NS	NS	NS	ND	3.64	ND	ND								
	Styrene	NS	NS	NS	NS	ND											
	Tetrachloroethene	NS	NS	NS	NS	ND											
	Toluene	NS	NS	NS	NS	ND	NT	ND									
	trans-1,2-Dichloroethene	NS	NS	NS	NS	ND	5.94	ND	ND								
	trans-1,3-Dichloropropene	NS	NS	NS	NS	ND											
	trans-1,4-Dichloro-2-butene	NS	NS	NS	NS	ND	1.06	ND	ND								
	Trichloroethene	NS	NS	NS	NS	ND	1.4	ND	ND								
	Vinyl Acetate	NS	NS	NS	NS	ND	1.1	ND									
	Vinyl Chloride	NS	NS	NS	NS	ND											

ST015

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
	1,1,1,2-Tetrachloroethane	ND															
	1,1,1-Trichloroethane	ND															
	1,1,2,2-Tetrachloroethane	ND															
	1,1,2-Trichloroethane	ND															
	1,1-Dichloroethene	ND															
	1,1-Dichloropropane	ND															
	1,2,2-Dibromo-3-chloropropan	ND															
	1,2-Dibromoethane	ND															
	1,2-Dichlorobenzene	ND	NT	ND													
	1,2-Dichloroethane	ND															
	1,2-Dichloropropane	ND															
	1,4-Dichlorobutene	ND															
	2-Butanone	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND
	2-Hexanone	ND	NT	ND	ND												
	4-Methyl-2-Pentanone	NT	ND														
	Acetone	ND	NT	NT	ND												
	Acrylonitrile	NT	ND														
	Benzene	ND															
	Bromo-chloromethane	ND															
	Bromodichloromethane	ND															
	Bromoform	ND															
	Bromomethane	ND															
	Carbon disulfide	ND	NT	NT	ND												
	Carbon Tetrachloride	ND															
	Chlorobenzene	ND															
	Chloroethane	ND															
	Chloroform	ND	NT	ND	ND												
	Chloromethane	ND															
	cis-1,2-Dichloroethene	ND															
	cis-1,3-Dichloropropene	ND															
	Dibromochloromethane	ND															
	Dibromomethane	ND															
	Dichloromethane	ND															
	Ethylbenzene	ND															
	Methyl Iodide	ND	NT	NT	ND	ND											
	Methyl Tertiary Butyl Ether	NT	ND	ND													
	ortho-Xylene	ND															
	para-Xylene & meta-Xylene	ND															
	Styrene	ND															
	Tetrachloroethene	1.79	1.39	ND	1.65	ND	1.56	ND	ND								
	Toluene	ND															
	trans-1,2-Dichloroethene	ND															
	trans-1,3-Dichloropropene	ND															
	trans-1,4-Dichloro-2-butene	ND	NT	NT	ND	ND											
	Trichloroethene	ND	1.33	ND	1.4	ND	ND										
	Trichlorofluoromethane	ND															
	Vinyl Acetate	NT															
	Vinyl Chloride	NT	ND	ND	ND	ND											

ST120

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Location	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropan	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	NT
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND
4-Methyl-2-Pentanone	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.17
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Iodide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Methyl Tertiary Butyl Ether	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
ortho-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
para-Xylene & meta-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.13	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.29	ND

ST65

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

Locatio	Parameter	2002-S	2002-F	2003-S	2003-F	2004-S	2004-F	2005-S	2005-F	2006-S	2006-F	2007-S	2007-F	2008-S	2008-F	2009-S	2009-F
1,1,1,2-Tetrachloroethane	ND	ND	ND	NS	ND												
1,1,1-Trichloroethane	ND	ND	ND	NS	ND												
1,1,2,2-Tetrachloroethane	ND	ND	ND	NS	ND												
1,1,2-Trichloroethane	ND	ND	ND	NS	ND												
1,1-Dichloroethane	ND	ND	ND	NS	ND												
1,1-Dichloroethene	ND	ND	ND	NS	ND												
1,2,3-Trichloropropane	ND	ND	ND	NS	ND												
1,2-Dibromo-3-chloropropan	ND	ND	ND	NS	ND												
1,2-Dibromoethane	ND	ND	ND	NS	ND												
1,2-Dichlorobenzene	ND	ND	ND	NS	ND												
1,2-Dichloroethane	ND	ND	ND	NS	ND												
1,2-Dichloropropane	ND	ND	ND	NS	ND												
1,4-Dichlorobenzene	ND	ND	ND	NS	ND												
2-Butanone	NT	NT	NS	NT	ND	NT	NT	ND	ND								
2-Hexanone	ND	ND	NS	ND	NT	NT	ND										
4-Methyl-2-Pentanone	NT	NT	NS	NT	ND	NT	NT	NT	ND								
Acetone	ND	ND	NS	ND	NT	NT	ND	ND									
Acrylonitrile	NT	NT	NS	NT	ND												
Benzene	ND	ND	NS	ND													
Bromochloromethane	ND	ND	NS	ND													
Bromodichloromethane	ND	ND	NS	ND													
Bromoform	ND	ND	NS	ND													
Bromomethane	ND	ND	NS	ND													
Carbon disulfide	ND	ND	NS	ND	NT	NT	ND										
Carbon Tetrachloride	ND	ND	NS	ND													
Chlorobenzene	ND	ND	NS	ND													
Chloroethane	ND	ND	NS	ND													
Chloroform	ND	4.24	NS	ND													
Chloromethane	NT	NT	NS	NT	ND												
cis-1,2-Dichloroethene	ND	ND	NS	ND													
cis-1,3-Dichloropropene	ND	ND	NS	ND	1.04	ND	1.17										
Dibromochloromethane	ND	ND	NS	ND													
Dibromomethane	ND	ND	NS	ND													
Dichloromethane	ND	ND	NS	ND													
Ethylbenzene	ND	ND	NS	ND													
Methyl Iodide	ND	ND	NS	ND													
Methyl Tertiary Butyl Ether	NT	NT	NS	NT	ND												
ortho-Xylene	ND	ND	NS	ND													
para-Xylene & meta-Xylene	ND	ND	NS	ND													
Styrene	ND	ND	NS	ND													
Tetrachloroethene	1.55	ND	1.52	NS	ND												
Toluene	ND	ND	NS	ND													
trans-1,2-Dichloroethene	ND	ND	NS	ND													
trans-1,3-Dichloropropene	ND	ND	NS	ND													
trans-1,4-Dichloro-2-butene	ND	ND	NS	ND	NT	NT	ND										
Trichloroethene	ND	ND	NS	ND													
Trichlorofluoromethane	ND	NT	NS	NT	ND												
Vinyl Acetate	NT	NT	NS	NT	ND												
Vinyl Chloride	NT	NT	NS	NT	ND												

ST70

NT: Not Tested, NS: Not Sampled, ND: Not Detected, S: Spring, F: Fall

TABLE 2: Volatile Organic Compounds - Historical Results

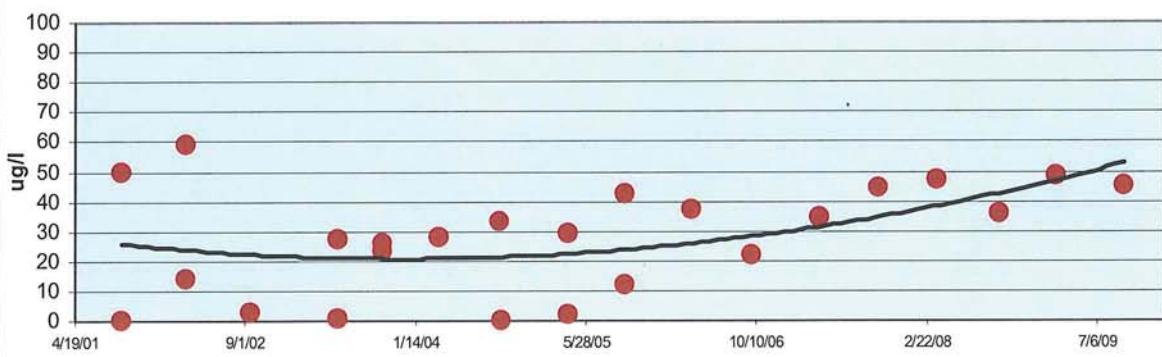
Locatio	Parameter	2002-F	2002-S	2003-F	2003-S	2004-F	2004-S	2005-F	2005-S	2006-F	2006-S	2007-F	2007-S	2008-F	2008-S	2009-F	2009-S
1,1,1,2-Tetrachloroethane	ND	ND	NS	ND													
1,1,1-Trichloroethane	ND	ND	NS	ND													
1,1,2,2-Tetrachloroethane	ND	ND	NS	ND													
1,1,2-Trichloroethane	ND	ND	NS	ND													
1,1-Dichloroethane	ND	ND	NS	ND													
1,1-Dichloroethene	ND	ND	NS	ND													
1,2,3-Trichloropropane	ND	ND	NS	ND													
1,2-Dibromo-3-chloropropan	ND	1.12	ND	NS	ND												
1,2-Dibromoethane	ND	ND	NS	ND													
1,2-Dichlorobenzene	ND	ND	NS	ND	NT	ND	ND										
1,2-Dichloroethane	ND	ND	NS	ND													
1,2-Dichloropropane	ND	ND	NS	ND													
1,4-Dichlorobenzene	ND	ND	NS	ND													
2-Butanone	NT	NT	NS	NT	NT	ND	NT	NT	ND	ND							
2-Hexanone	ND	ND	NS	ND	NT	NT	ND	ND									
4-Methyl-2-Pentanone	NT	NT	NS	NT													
Acetone	ND	ND	NS	ND	NT	NT	ND	ND									
Acrylonitrile	NT	NT	NS	NT	ND	ND											
Benzene	ND	ND	NS	ND													
Bromochloromethane	ND	ND	NS	ND	NT	NT											
Bromodichloromethane	ND	ND	NS	ND													
Bromoform	ND	ND	NS	ND													
Bromomethane	ND	ND	NS	ND													
Carbon disulfide	ND	2.35	ND	NS	ND	NT	NT	ND									
Carbon Tetrachloride	ND	ND	NS	ND													
Chlorobenzene	1.09	ND	NS	ND													
Chloroethane	ND	ND	NS	ND													
Chloroform	ND	ND	NS	ND													
Chloromethane	NT	NT	NS	NT	ND	ND											
cis-1,2-Dichloroethene	ND	ND	NS	ND													
cis-1,3-Dichloropropene	ND	ND	NS	ND													
Dibromochloromethane	ND	ND	NS	ND													
Dibromomethane	ND	ND	NS	ND													
Dichloromethane	ND	ND	NS	ND													
Ethylbenzene	ND	ND	NS	ND													
Methyl Iodide	ND	ND	NS	ND	NT	NT	ND										
Methyl Tertiary Butyl Ether	NT	NT	NS	NT	ND	ND	ND										
ortho-Xylene	ND	ND	NS	ND													
para-Xylene & meta-Xylene	ND	ND	NS	ND													
Styrene	ND	ND	NS	ND													
Tetrachloroethene	3.86	ND	NS	ND													
Toluene	ND	ND	NS	ND													
trans-1,2-Dichloroethene	ND	ND	NS	ND	NT	NT	ND										
trans-1,3-Dichloropropene	ND	ND	NS	ND													
trans-1,4-Dichloro-2-butene	ND	ND	NS	ND													
Trichloroethene	1.61	ND	NS	ND													
Trichlorofluoromethane	ND	NT	NS	NT													
Vinyl Acetate	NT	NT	NS	NT													
Vinyl Chloride	NT	NT	NS	NT													

Appendix C

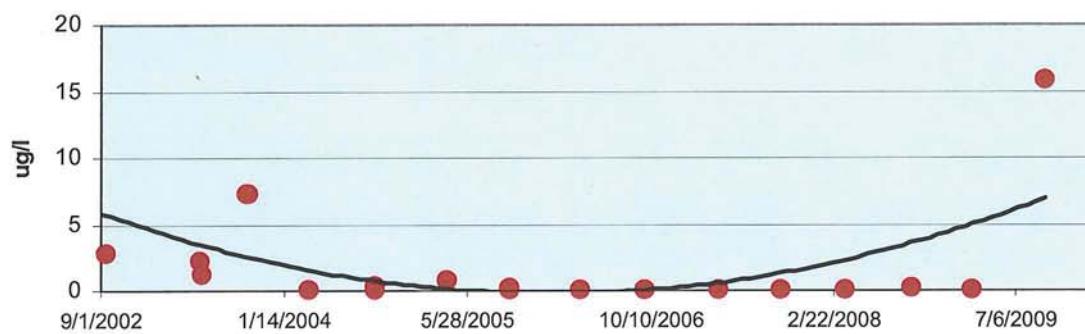
Volatile Organic Compounds

Trend Analysis

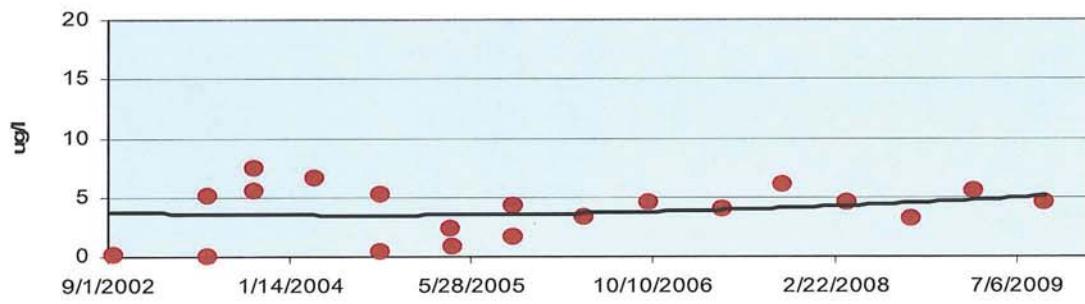
1,1 - Dichloroethane Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



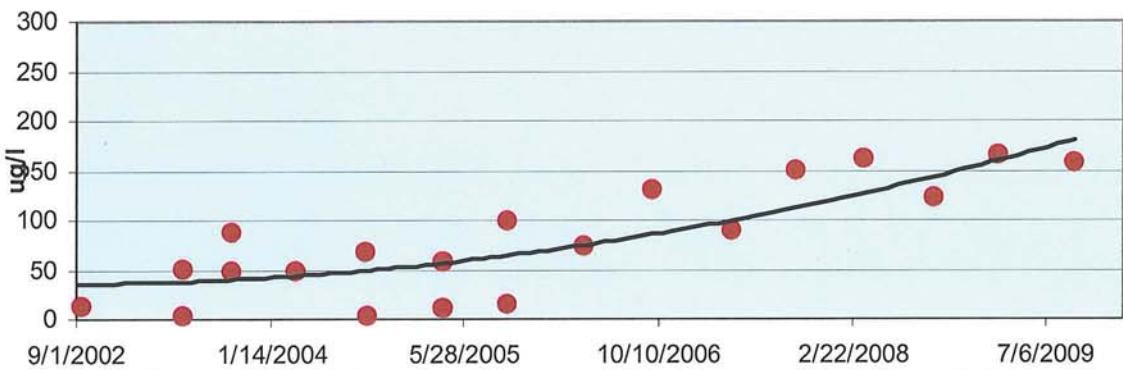
1,2-Dichloropropane Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



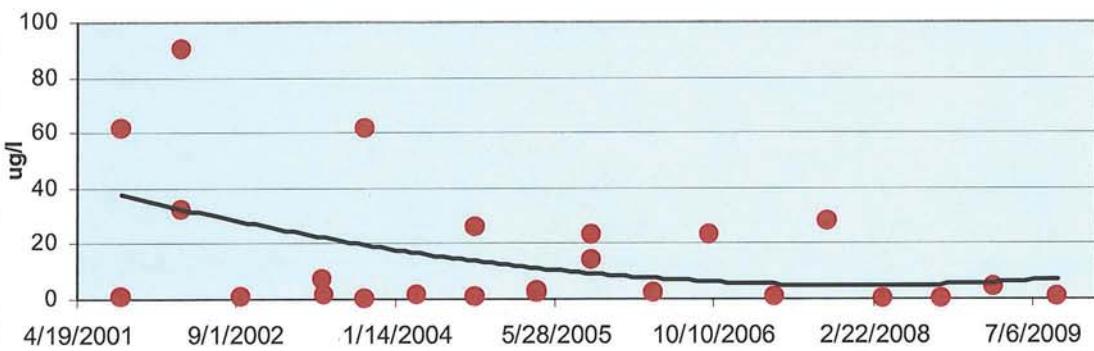
Benzene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



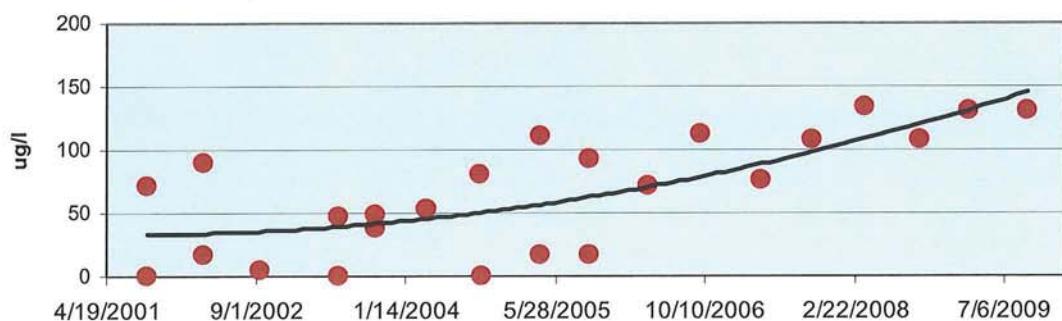
cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



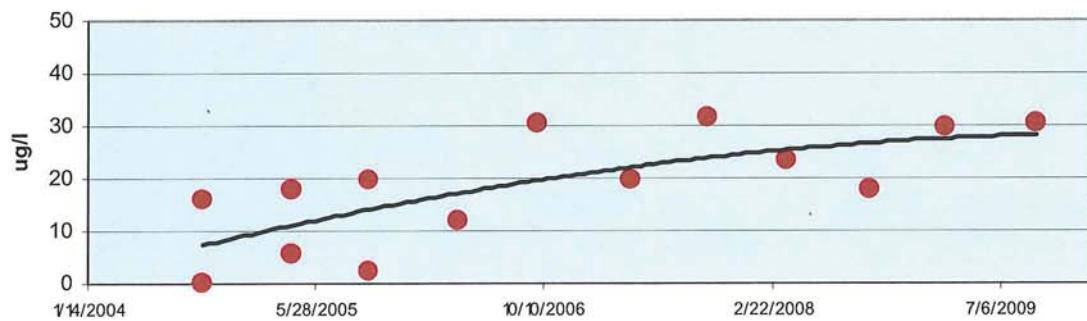
Tetrachloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



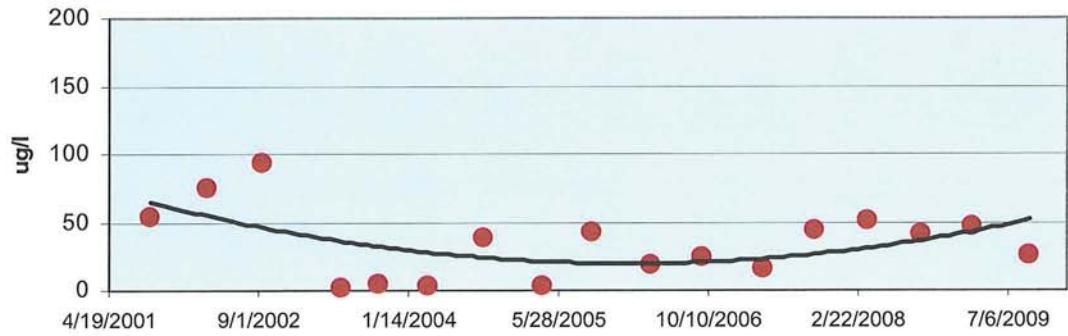
Trichloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



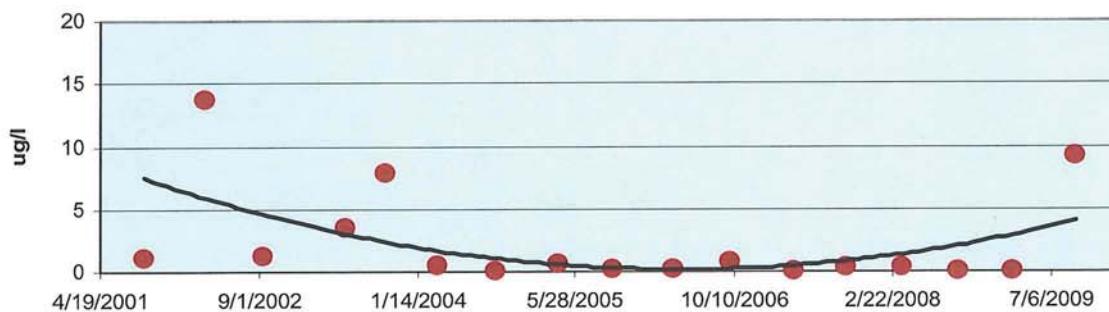
Vinyl Chloride Concentration Trend At Observation Well OB03
Gude Landfill 2004 - 2009



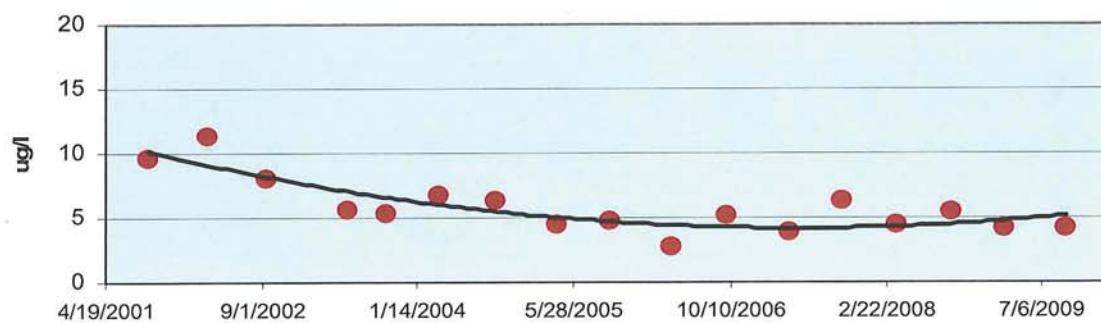
1,1-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009



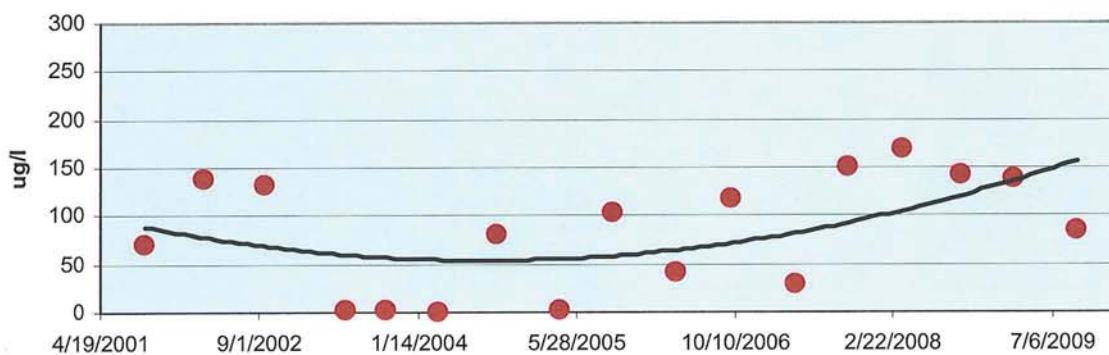
1,2-Dichloropropane Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009



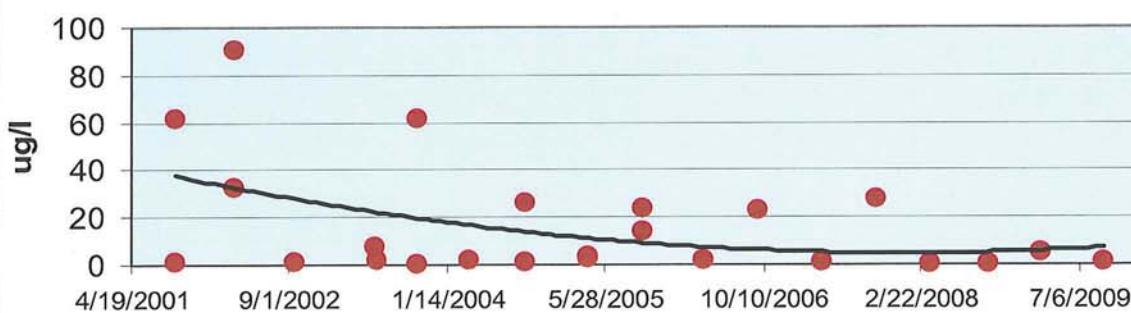
Benzene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009



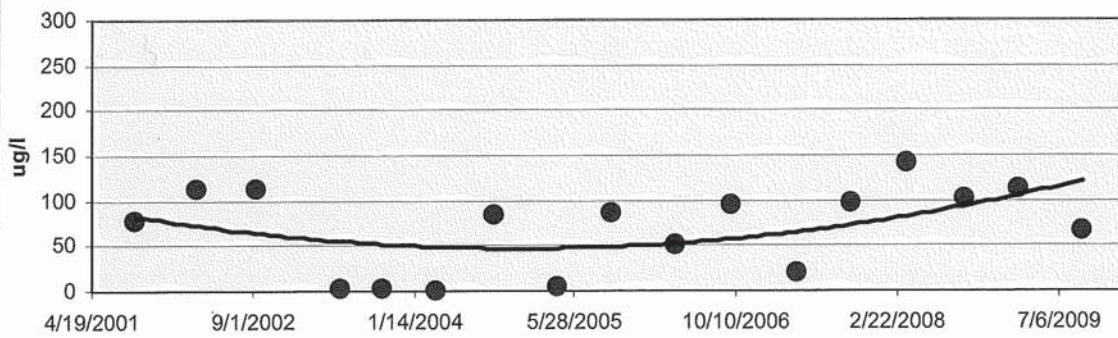
cis-1,2-Dichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009



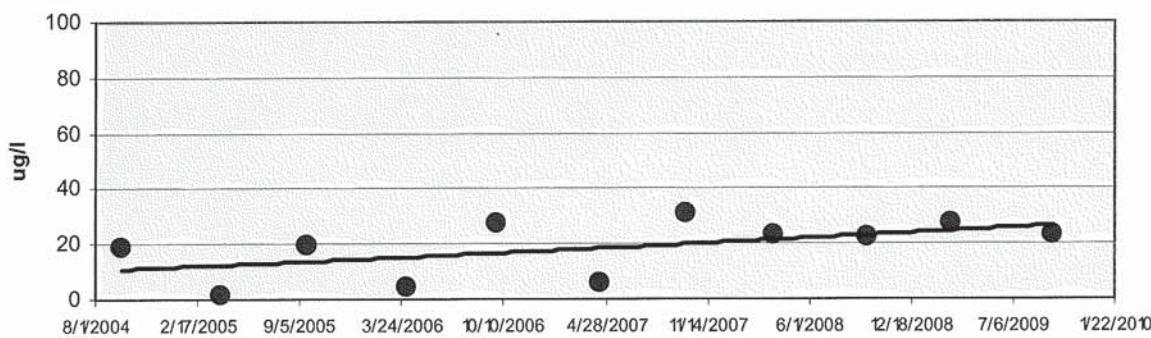
Tetrachloroethene Concentration Trend At Observation Well OB03
Gude Landfill 2001 - 2009



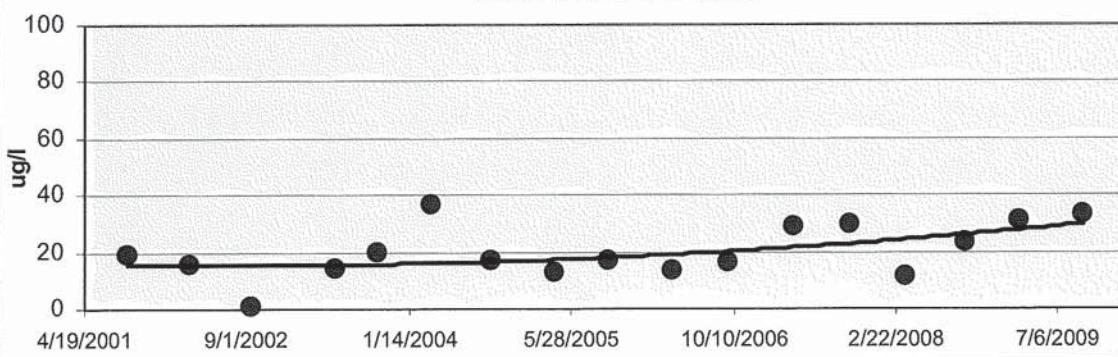
Trichloroethene Concentration Trend At Observation Well OB03A
Gude Landfill 2001 - 2009



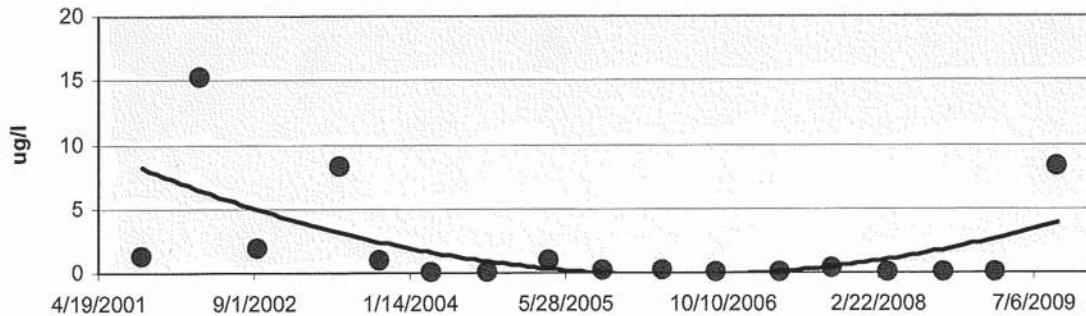
Vinyl Chloride Concentration Trend At Observation Well OB03A
Gude Landfill 2004 - 2009

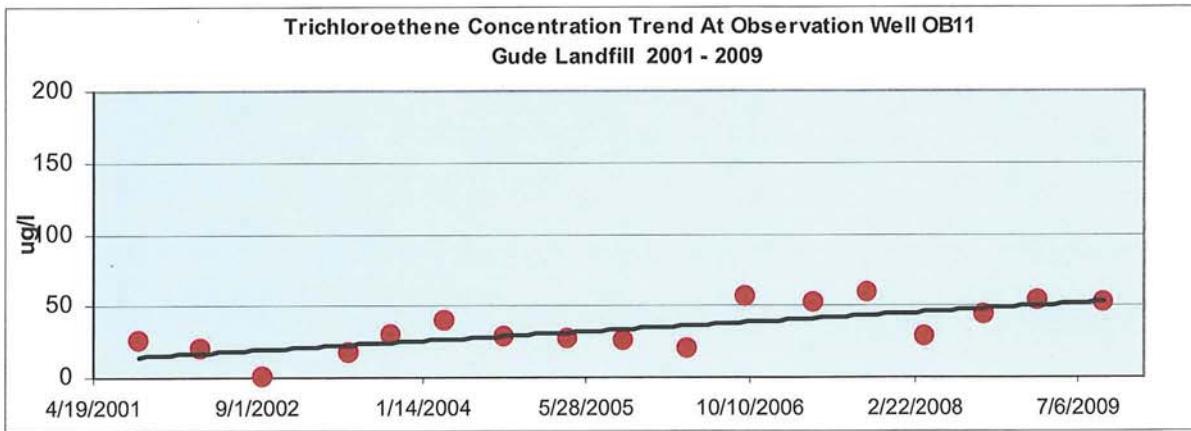
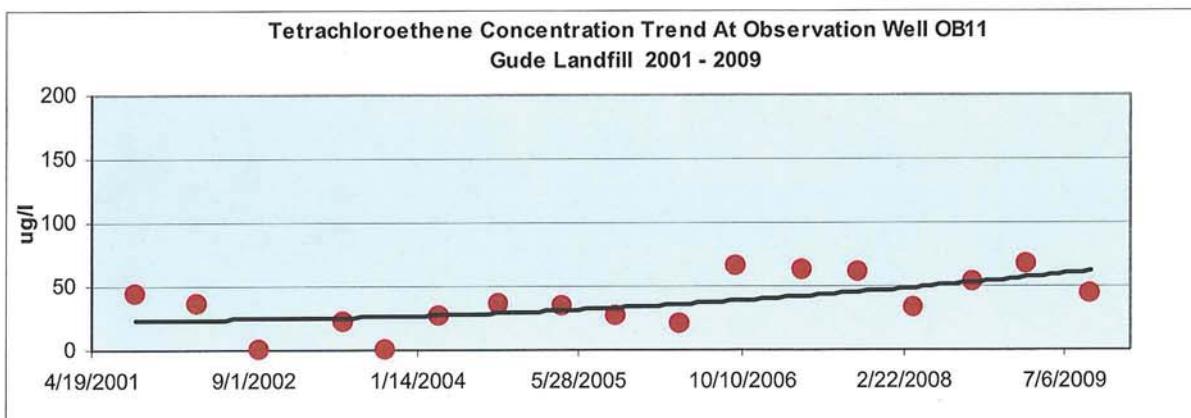
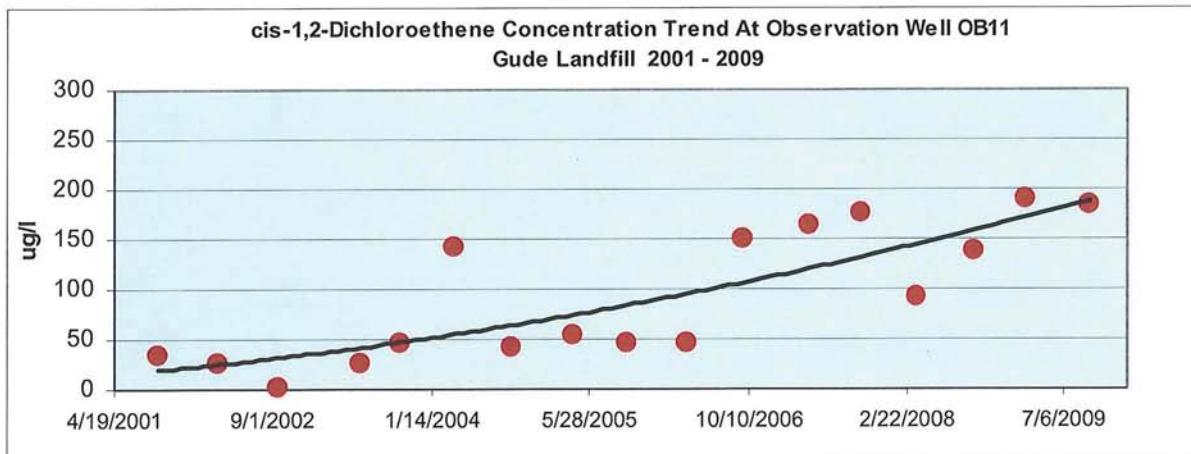
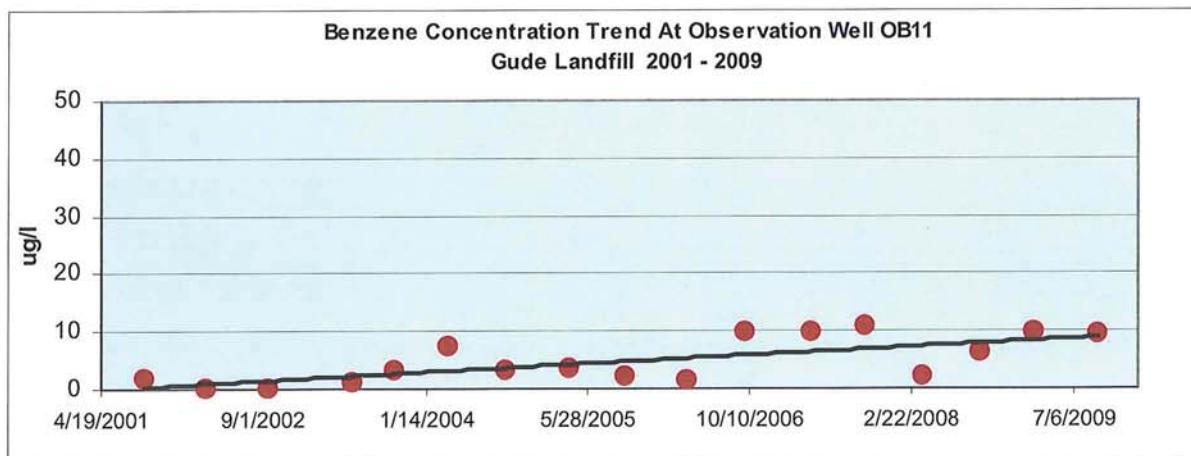


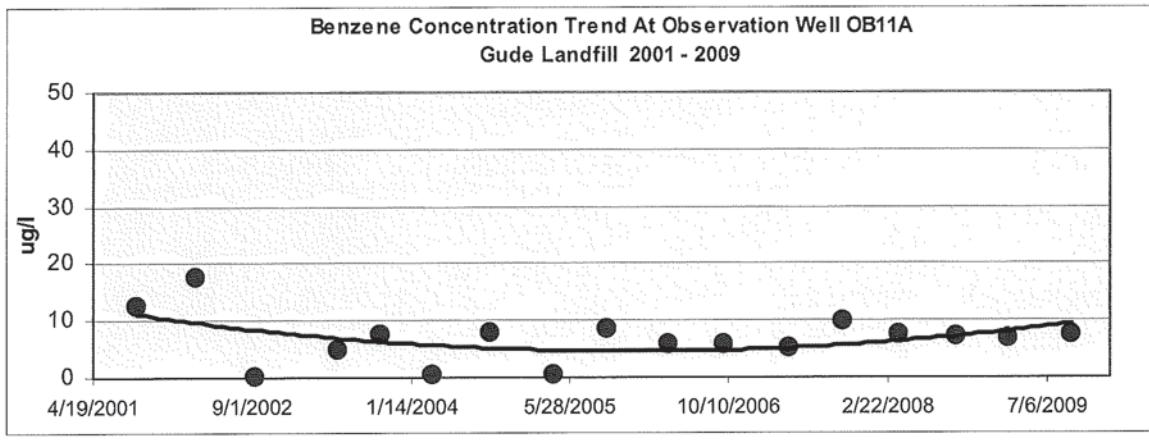
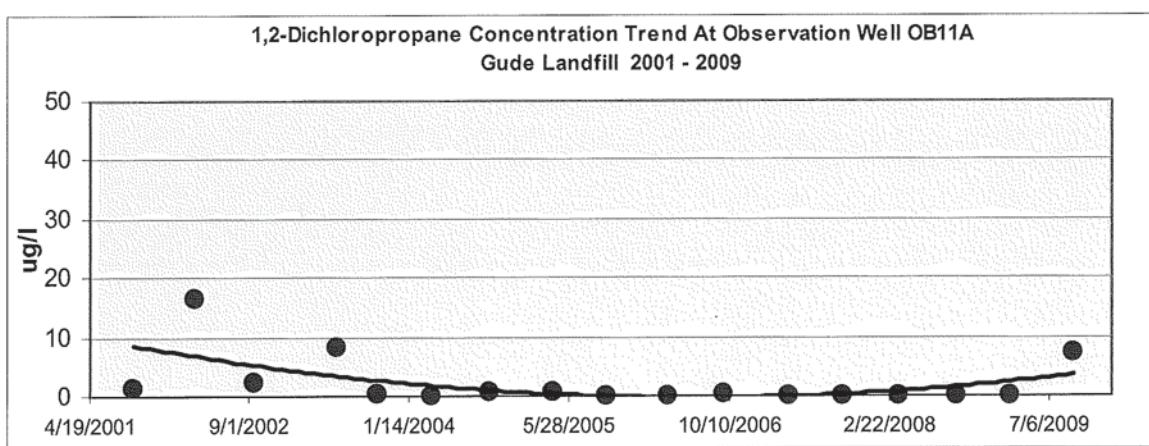
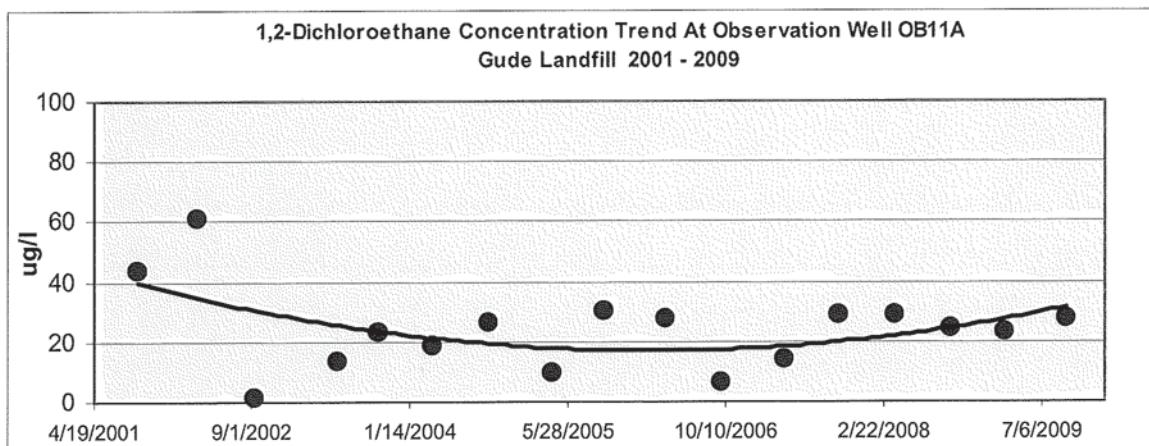
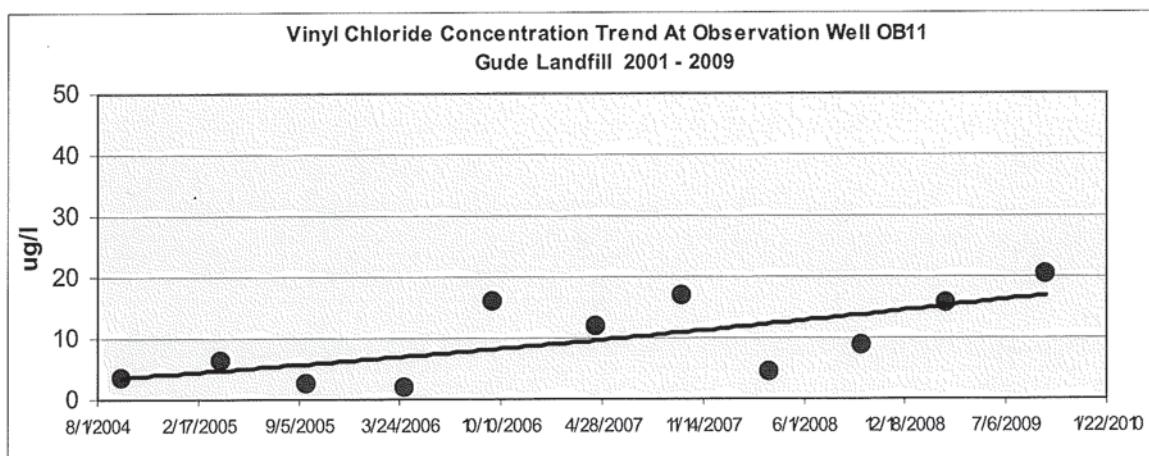
1,1-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009



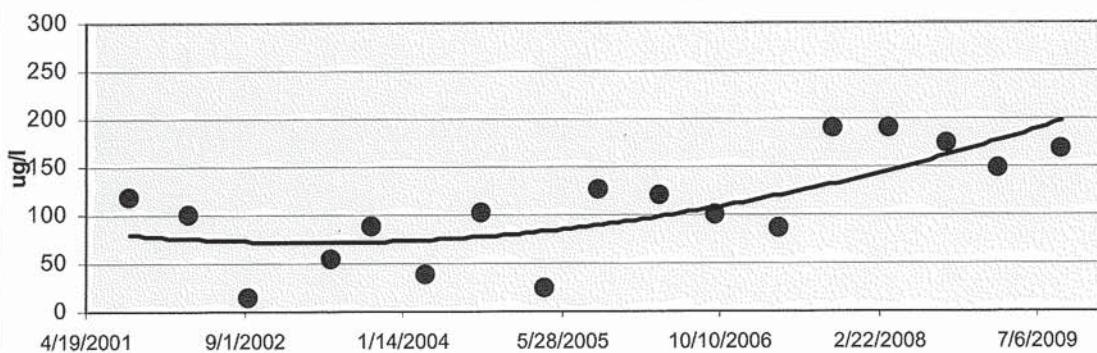
1,2-Dichloroethene Concentration Trend At Observation Well OB11
Gude Landfill 2001 - 2009



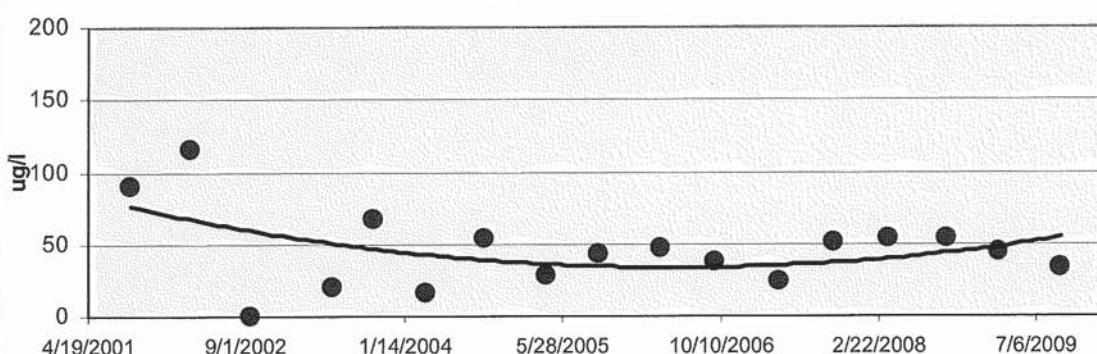




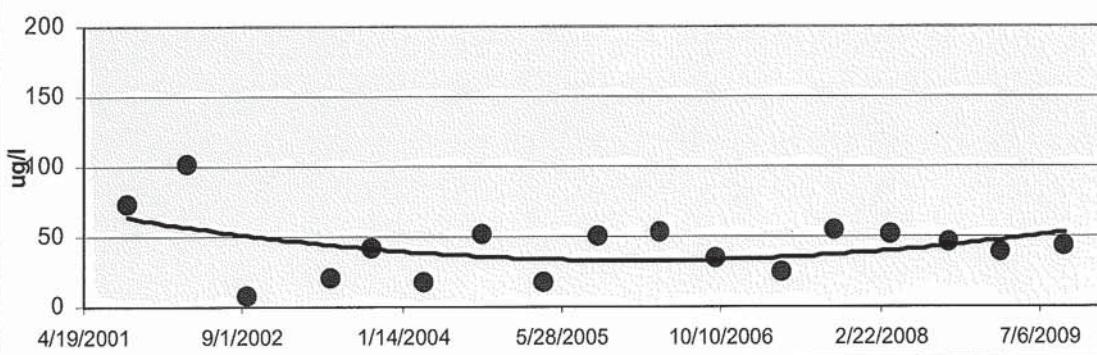
**cis-1,2-Dichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009**



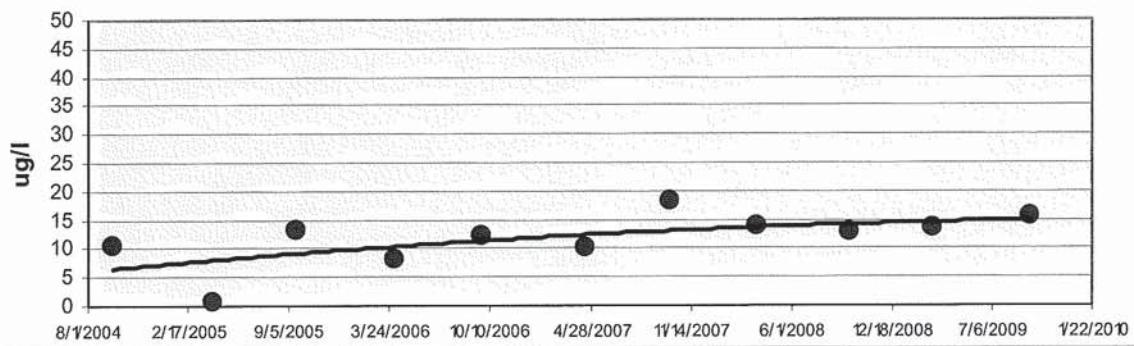
**Tetrachloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009**



**Trichloroethene Concentration Trend At Observation Well OB11A
Gude Landfill 2001 - 2009**

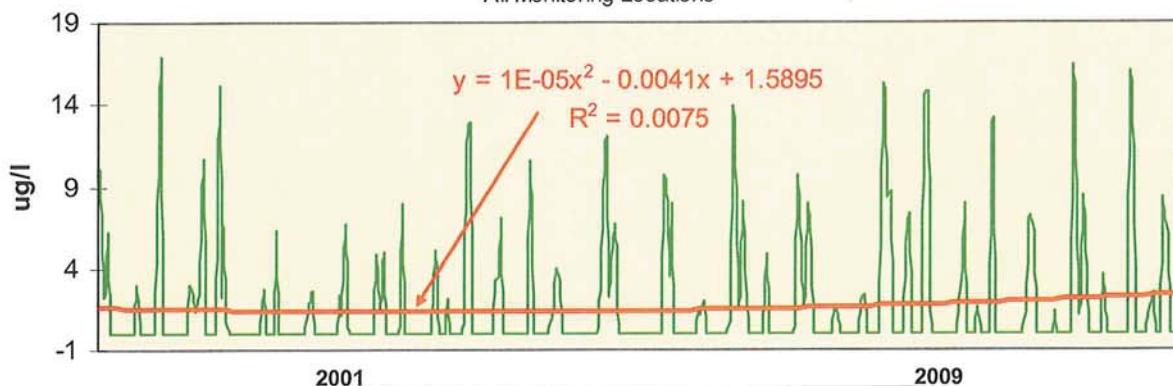


**Vinyl Chloride Concentration Trend At Observation Well OB11A
Gude Landfill 2004 - 2009**



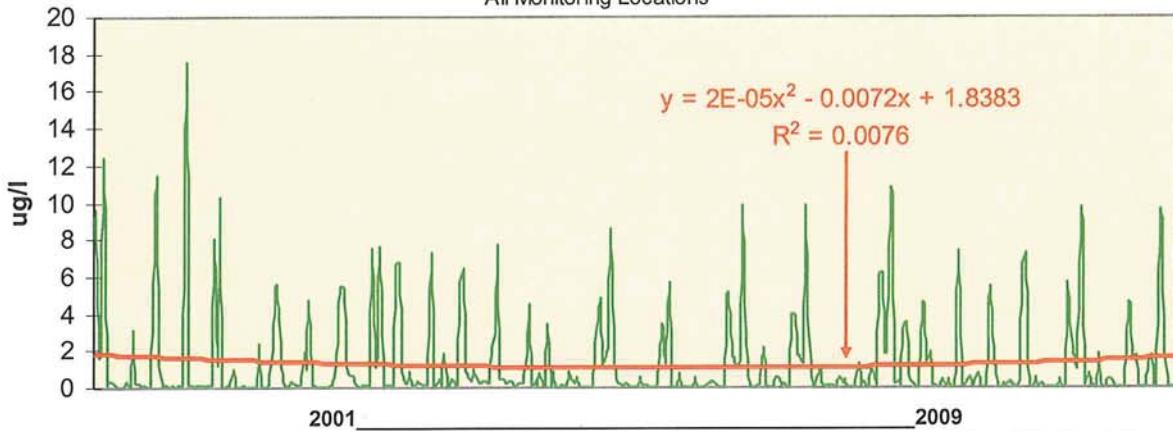
1,2-Dichloropropane Concentration Trend at Gude Landfill

All Monitoring Locations



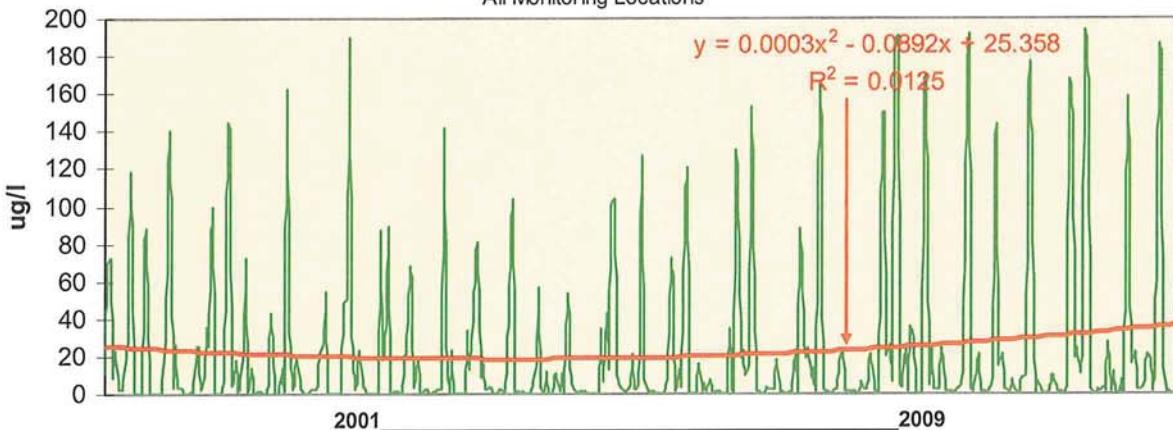
Benzene Concentration Trend at Gude Landfill

All Monitoring Locations



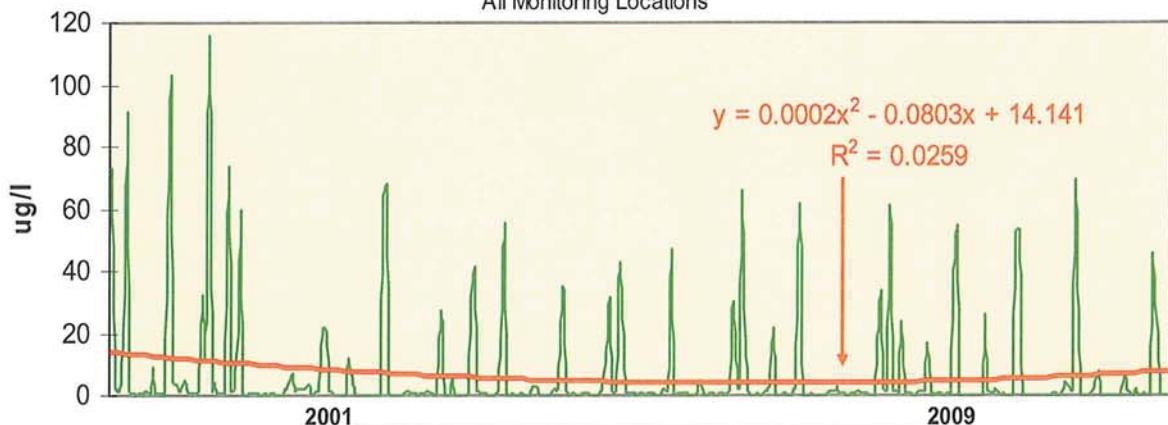
cis-1,2-Dichloroethane Concentration Trend at Gude Landfill

All Monitoring Locations



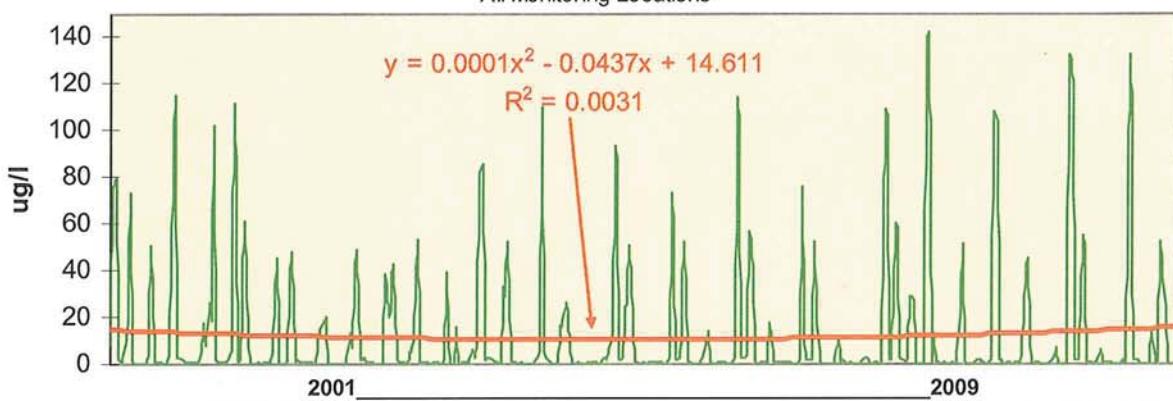
Tetrachloroethene Concentration Trend at Gude Landfill

All Monitoring Locations



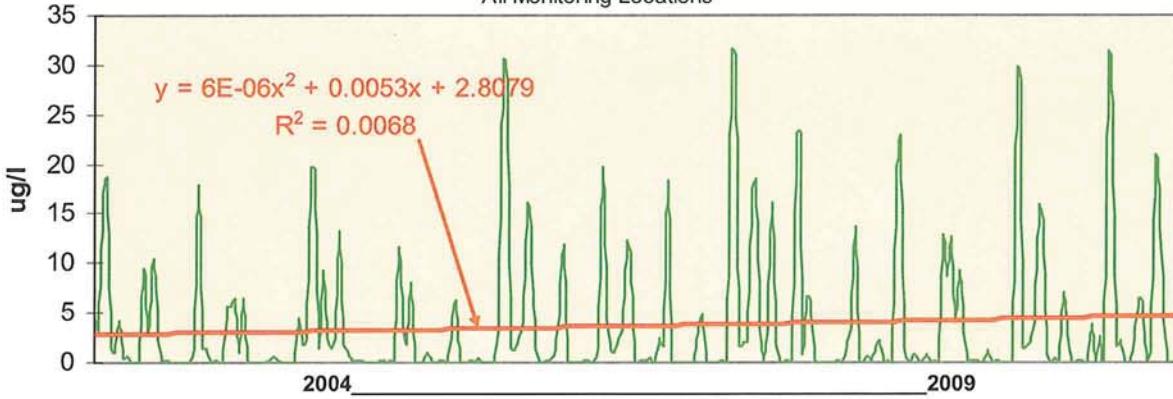
Trichloroethene Concentration Trend at Gude Landfill

All Monitoring Locations



Vinyl Chloride Concentration Trend at Gude Landfill

All Monitoring Locations



Appendix D

Tables of Metals

Results in (mg/l)

Table 3

Metals and Other Water Quality Parameters

Gude Landfill - SEPTEMBER 2009 Results												
Monitoring Location	Parameter	OB01	OB02	OB02A	OB03	OB04	OB05	OB06	OB07	OB07A	OB08	OB08A
Alkalinity	104	67	38	265	317	221	125	150	163	124	229	110
Ammonia	ND	ND	ND	2.39	6.47	0.328	0.301	ND	ND	ND	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	0.0024	0.0036	0.0034	0.0036	0.0032	ND	ND	0.0023	ND
Barium	0.164	0.296	0.354	0.588	0.568	0.261	0.0542	0.196	0.025	0.0431	0.137	0.0815
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	64.9	60.6	77.5	59.9	69.4	154	109	148	99.5	91.8	63.5	59.4
Chloride	196	212	280	134	194	412	438	386	150	235	34.7	67.4
Chromium	ND	ND	ND	ND	ND	0.0021	0.0021	0.021	ND	ND	0.0105	0.0717
Cobalt	0.009	0.0057	ND	0.0643	0.0693	ND	ND	0.0059	ND	ND	0.0186	0.0029
COD	ND	ND	13.6	19.1	26.3	31.3	68	ND	17.8	ND	262	173
Copper	0.007	0.006	0.0054	0.0063	0.0064	0.0344	0.0328	0.0116	0.0062	0.0058	0.0051	0.006
Hardness	330	350	390	690	700	670	570	580	331	420	228	570
Iron	ND	2.66	0.414	28.8	39.4	0.343	0.998	1.7	0.262	0.239	0.301	3.85
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	36	32.2	46.4	33.2	44.4	75.1	71.9	56.6	26.1	51.2	12.9	23.2
Manganese	2.77	1.21	0.0381	18.5	13.3	1.32	0.969	0.482	0.0317	0.0592	6.29	8.16
Mercury	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND
Nickel	0.026	0.0082	0.0122	0.0183	0.02	0.0137	0.021	0.0166	0.0047	0.006	0.0083	0.0095
Nitrate	1.67	ND	0.5894	ND	ND	ND	ND	0.6889	0.5482	0.8907	ND	ND
pH	5.92	8.27	5.75	6.19	5.76	6.71	5.82	5.62	7.04	6.51	7.04	6.65
Potassium	3.52	5.91	4.73	10.2	12.4	6.32	4.93	4.82	3.07	2.66	2.81	3.72
Selenium	ND	ND	ND	0.0024	0.0167	0.0174	0.0147	0.0044	0.0083	ND	ND	0.0256
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	47.4	22.6	31.2	35.9	70.3	71	89.1	83.3	21.4	30.2	27.2	37
Spec. Cond.	855.9	665	636.7	1673	1943	1564	760	706.7	523.1	579.9	413.6	3522
Sulfate	26.4	13.5	22.4	8.84	33.5	18.8	12.1	82.9	13.4	22.4	7.54	3.85
TDS	776	780	1088	564	780	1348	1200	1116	644	784	352	368
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	0.186	10.3	3.83	11	39.4	1.07	10.3	21.7	0.283	0.317	0.266	1.69
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	ND	ND	ND	0.011	ND	0.024	0.0321	ND	ND	ND	0.0464	0.556

NT: Not Tested
 NS: Nos Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Monitoring Location OBO1																	
		Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	104	
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Barium	0.018	0.0249	0.0342	0.0476	0.1027	0.0588	0.1456	0.036	0.1325	0.1065	0.1459	0.1381	0.1348	0.1286	NT	0.1465	0.164		
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	64.9
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	196
Chromium	0.0021	ND	0.0027	ND	ND	ND													
Cobalt	ND	ND	ND	ND	0.0054	ND	0.0069	ND	0.007	0.0036	0.0051	0.0094	0.0039	0.0071	NT	0.009	ND	ND	
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Copper	0.0134	0.0107	0.0089	0.013	0.0103	ND	0.0114	0.0105	0.0149	0.0107	0.0069	0.0104	0.0071	0.0072	NT	ND	0.007		
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	330
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Lead	0.0029	0.0024	ND	ND	ND	ND	ND	ND	ND	0.0025	ND	ND	ND	ND	ND	ND	ND	ND	
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	36
Manganese	0.0995	0.0333	0.1055	0.2826	0.7486	0.0745	0.845	0.1334	0.8516	ND	1.231	NT	NT	NT	NT	NT	NT	NT	2.77
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0004	ND	ND	ND	ND	ND	
Nickel	ND	0.0046	0.0069	0.0088	0.0033	0.0125	0.0035	0.0151	0.0131	0.0177	0.0194	0.0182	0.0152	NT	0.0182	0.026			
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.52
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	47.4
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	855.9
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.4
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	776
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	2.5	3.29	0.9	3.2	NT	NT	0.186												
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0157	0.0084	0.0161	NT	0.012	ND	ND	ND	

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	67
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.1256	0.0838	0.1125	0.0524	0.1579	0.1567	0.1684	0.1443	0.1971	0.1508	0.2539	0.2817	0.2464	0.1635	0.1338	0.1568	0.296	0.296
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	60.6
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	212
Chromium	ND	0.0035	0.0026	ND	ND	ND												
Cobalt	ND	ND	ND	0.003	ND	0.0034	ND	0.0055	ND	0.0049	ND	0.0065	ND	ND	ND	ND	ND	0.0057
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Copper	0.0121	0.0132	0.0137	0.009	ND	0.0154	0.0106	0.0176	0.0267	0.0101	0.0054	0.008	0.0192	0.0052	0.0074	0.0055	0.006	350
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.66
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Lead	0.0167	0.0051	0.0034	ND	ND	ND	ND	ND	0.0049	0.0022	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	32.2
Manganese	0.9124	0.4259	0.437	0.1219	1.429	0.5523	1.252	0.2375	1.3188	0.1466	1.314	NT	NT	NT	NT	NT	NT	1.21
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.1694	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	0.005	0.0025	0.0043	0.0035	0.0046	0.004	0.0074	0.0022	0.0047	0.0088	0.0062	0.0028	ND	0.0021	0.0082		
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.27
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.91
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.6
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	665
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.5
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	780
Thallium	0.0027	ND	ND	ND														
Turbidity	15.6	9.11	5	3.4	NT	NT	NT	10.3										
Vanadium	ND	ND	ND	ND	ND	ND	ND	0.0021	ND	ND								
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.017	0.0176	0.0049	0.0074	0.0091	ND	ND	

Monitoring Location OB02

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	38									
Ammonia	NT	ND									
Antimony	ND	0.0033	ND								
Arsenic	ND										
Barium	0.0946	0.1163	0.1795	0.105	0.0976	0.1032	0.1403	0.1033	0.1198	0.1035	0.2976
Beryllium	ND										
Cadmium	ND										
Calcium	NT										
Chloride	NT										
Chromium	ND	0.0039	0.0026	ND							
Cobalt	ND										
COD	NT										
Copper	0.0086	0.0118	0.0102	0.009	ND	0.0154	0.0159	0.0114	0.0137	0.0057	0.0062
Hardness	NT										
Iron	NT										
Lead	0.0034	0.0026	0.0063	ND	ND	ND	ND	0.0031	ND	ND	ND
Magnesium	NT										
Manganese	0.0142	0.0216	0.1027	0.0345	0.0217	0.0327	0.0366	0.0313	0.0303	0.0128	NT
Mercury	ND	ND	ND	ND	ND	ND	0.0482	ND	0.0013	ND	ND
Nickel	0.0035	ND	0.0063	ND	ND	ND	ND	0.0016	0.0082	0.0059	0.0077
Nitrate	NT										
pH	NT	0.5894									
Potassium	NT	5.75									
Selenium	ND										
Silver	ND										
Sodium	NT	31.2									
Spec. Cond.	NT	636.7									
Sulfate	NT	22.4									
TDS	NT	1088									
Thallium	ND										
Turbidity	2.7	1.85	3	2.8	NT	NT	NT	NT	NT	NT	3.83
Vanadium	ND										
Zinc	NT	0.0068	0.0156	0.0131							

Monitoring Location OBO2A

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.39
Antimony	0.0048	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.0054	ND	ND	0.0087	0.0027	0.0085	0.0085	0.0079	0.0066	0.0023
Barium	0.2635	0.0219	0.055	0.0275	0.1768	1.353	1.896	1.69	0.1124	1.101
Beryllium	0.0036	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.0045	0.0074	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	0.0954	ND	0.0027	ND	ND	ND	ND	ND	ND	ND
Cobalt	0.0543	0.0545	ND	0.0592	0.0318	0.0755	0.0614	0.0711	0.0029	0.0593
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	0.0108	0.0106	0.0165	0.012	0.0161	ND	0.0132	0.0145	0.0153	0.0093
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	0.1072	0.0024	0.0031	0.0041	0.0029	0.0036	ND	0.003	0.0027	0.0031
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Manganese	16.25	15.48	0.2459	15.97	9.801	18.17	19.31	20.5775	19.79	20.7743
Mercury	ND	ND	ND	0.0003	ND	ND	0.005	0.0024	ND	ND
Nickel	0.0133	0.0151	0.0071	0.0166	0.0114	0.0183	0.0109	0.0047	0.0172	0.0171
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	0.0035	ND	ND	0.0021	ND	ND	0.0048	0.0046	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	0.0012	0.0011	ND	ND	ND	0.0012	0.0012	ND	ND	0.0015
Turbidity	4.2	50.5	136	3.7	248	NT	NT	NT	NT	NT
Vanadium	ND	ND	ND	0.0039	0.0059	0.0078	0.0027	ND	0.0219	ND
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0126	0.0253

Monitoring Location OB3

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	317
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.47
Antimony	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.0073	0.0035	0.0042	0.0046	0.0047	0.004	0.0027	0.0036	0.0034	0.0021	0.0032
Barium	0.5934	0.4795	0.4366	0.6933	0.8541	0.6897	0.6416	0.4988	0.57	0.4668	0.6538
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.0046	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	0.079	0.0827	0.0673	0.0834	0.0665	0.0744	0.0612	0.082	0.0654	0.0584	0.0658
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0617
Copper	0.0135	0.0099	0.009	0.0186	0.0142	ND	ND	0.0141	0.0089	0.0054	0.0101
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	0.0059	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND
Magnesium	15.84	16.8	18.79	3.107	5.824	2.812	17.89	2.9275	17.88	14.2709	15.08
Manganese	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	0.0281	0.0283	0.019	0.0173	0.0198	0.0167	0.0163	0.0121	0.0178	0.0164	0.0166
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	ND	ND	0.004	0.0021	ND	0.0029	ND	ND	0.003	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	0.0021	0.0043	0.0019	ND	ND	0.0013	ND	0.0012	ND	ND	ND
Turbidity	245	66	9.3	463	NT						
Vanadium	0.0039	0	0.0006	0.0019	0.0051	0.0033	0.0018	0.0021	0.0011	0	0.0003
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.017	0.0134	0.0272
									0.0064	0.0182	0.0182
									0.0117	0.0182	0.0182
									0.0064	0.0182	0.0182

Monitoring Location OB03A

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	221									
Ammonia	NT	0.328									
Antimony	ND										
Arsenic	ND	0.00441	0.01398	ND	0.1584	0.1513	0.0797	0.043	0.1065	0.2328	0.2222
Barium	0.1173	0.1226	0.1375	0.1795	0.1584	0.1513	0.1513	0.0797	0.043	0.1065	0.1991
Beryllium	ND	0.2468									
Cadmium	ND	0.261									
Calcium	NT	ND									
Chloride	NT	ND									
Chromium	NT	NT	NT	ND							
Cobalt	ND										
COD	NT	ND									
Copper	0.0114	0.0069	0.0096	0.0108	ND	0.0121	0.0157	0.0254	0.0123	0.0316	0.0323
Hardness	NT										
Iron	NT										
Lead	0.0028	ND	0.0039	ND	ND	ND	ND	0.0027	ND	ND	ND
Magnesium	NT										
Manganese	0.4653	0.3414	0.366	0.2437	0.4449	0.215	0.6462	0.0306	0.7021	0.1073	1.2
Mercury	ND										
Nickel	0.011	0.0112	0.0123	0.0114	0.009	0.0093	0.0112	0.0064	0.0146	0.0095	0.0091
Nitrate	NT										
pH	NT										
Potassium	NT										
Selenium	0.0046	0.0148	0.0384	0.0045	0.0033	0.003	0.0056	0.0024	0.0032	0.0047	0.0033
Silver	ND										
Sodium	NT										
Spec. Cond.	NT										
Sulfate	NT										
TDS	NT										
Thallium	ND										
Turbidity	1.2	0.64	4.6	2.6	NT	NT	NT	NT	NT	NT	1.07
Vanadium	ND										
Zinc	NT	0.007	0.0058	0.0167							

Monitoring Location OBO4

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	125
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.301
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	0.0054	0.0192	0.0039	ND	ND	ND	ND	ND	ND	0.0036
Barium	0.0385	0.0385	0.0397	0.0444	0.0368	0.0406	0.0443	0.0447	0.1167	0.0408	0.0441
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109
Chromium	ND	0.0023	0.0032	ND	ND	ND	ND	0.0022	ND	0.0026	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	0.0263	0.0246	0.0124	0.0312	0.0185	0.0262	0.0348	0.0339	0.0218	0.026	0.0248
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Manganese	0.4309	0.443	0.4699	0.5439	0.4973	0.6448	0.6915	0.6969	0.3169	0.6662	0.6592
Mercury	ND	ND	ND	ND	ND	0.0799	ND	ND	ND	ND	0.0004
Nickel	0.0133	0.0137	0.0162	0.0152	0.0119	0.0138	0.0141	0.0149	0.0103	0.0142	0.0148
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	0.006	0.0187	0.0531	0.0146	0.0035	0.0038	0.007	0.0027	0.0032	0.0053	0.0074
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	89.1
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1943
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.1
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1200
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	0.78	1.49	1	1.4	NT	NT	NT	NT	NT	NT	10.3
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	0.017	0.0201	0.0273	0.0321	NT	NT	NT	0.0166	0.017	0.0201	0.0273

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	150
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND	ND
Arsenic	ND	0.0038	0.0125	ND	ND	ND	ND	0.003	0.0027	ND	0.0032
Barium	0.1568	0.1545	0.1651	0.212	0.1657	0.1792	0.1979	0.2335	0.1901	0.2245	0.2017
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.196
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	148
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	356
Chromium	ND	0.0043	ND	ND	ND	ND	ND	0.0104	ND	0.0768	ND
Cobalt	0.003	0.0029	0.0032	0.0045	0.0032	0.0043	0.0039	0.005	0.0047	0.0063	0.0052
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	68
Copper	0.0089	0.0082	0.0098	0.0094	ND	0.0125	0.0138	0.0204	0.0032	0.0192	0.0083
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	580
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.7
Lead	ND	ND	0.0023	ND	ND	ND	0.0028	ND	0.0048	ND	0.0491
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	56.6
Manganese	0.2101	0.1974	0.1885	0.352	0.2544	0.2995	0.3857	0.3813	0.4155	0.4181	0.4954
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.482
Nickel	ND	0.0102	0.0117	0.0141	0.0086	0.0111	0.0118	0.0106	0.0126	0.0138	0.0204
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.62
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.82
Selenium	0.007	0.0123	0.0367	0.0087	0.0041	0.005	0.0061	0.006	0.0049	0.0118	0.0088
Silver	ND	ND	ND	ND	ND	ND	NT	NT	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	83.3
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1564
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.9
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1116
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	3.4	2.43	3.1	1.7	NT	NT	NT	NT	NT	NT	21.7
Vanadium	ND	ND	ND	ND	ND	ND	0.0069	ND	0.0724	ND	ND
Zinc	NT	NT	NT	NT	NT	NT	0.036	0.2789	0.031	0.0321	0.0414
											0.0321

Monitoring Location OB06

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Monitoring Location OB07															
		Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	163
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	0.0024	ND	ND												
Barium	0.0485	0.0471	0.0588	0.0561	0.0507	0.0598	0.0815	0.0658	0.0831	0.0938	0.0172	0.0928	0.0903	0.0511	0.0406	0.0252	0.025
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	99.5
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	150
Chromium	ND	0.0039	0.0049	ND	ND	ND	ND	ND	ND	ND	ND	0.0034	ND	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Copper	0.0086	0.0067	0.0073	0.0087	ND	0.0108	ND	0.0129	0.005	0.0057	0.0053	0.0137	0.0033	0.008	ND	0.0062	0.0062
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	331
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.262
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND	ND
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	26.1
Manganese	0.0066	0.0046	0.0344	0.0085	ND	0.0043	0.0038	0.0232	0.0772	0.0479	NT	NT	NT	NT	NT	NT	0.0317
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0003	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	0.0031	ND	ND	ND	ND	ND	0.0022	ND	0.0024	0.0056	0.0022	ND	ND	0.0047	0.0047
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5482
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.04
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.07
Selenium	ND	0.0032	0.0089	0.0025	ND	ND	ND	0.0042	ND	0.0029	0.0054	0.0028	ND	ND	0.0044	0.0044	0.0044
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	21.4
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	760
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.4
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	644
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	1.1	0.4	3.4	3.5	NT	NT	0.283										
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0075	0.023	ND	ND	ND	ND	ND

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	124	
Ammonia	NT	NT	NT	ND	ND															
Antimony	ND	ND	ND	0.0036	ND	ND	ND													
Arsenic	ND	ND	0.0415	0.0377	0.0438	0.0469	0.0439	0.0248	0.0529	0.027	0.0616	0.0265	0.0313	0.0506	0.0643	0.0864	0.0419	0.0431		
Barium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	91.8	
Chloride	NT	NT	NT	ND	ND	ND	235													
Chromium	ND	ND	0.0074	ND	ND															
Cobalt	0.0029	ND	0.0041	ND	ND	0.0025	0.0027	ND	ND	ND	ND									
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	17.8	
Copper	0.0149	0.0099	0.0152	0.0086	ND	ND	0.0153	0.0138	0.0129	0.0114	0.0051	0.0055	0.0113	0.0092	0.0116	ND	0.0058			
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	420	
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.239	
Lead	0.0024	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	51.2	
Manganese	0.8154	0.2752	1.076	0.1699	0.0904	0.3046	0.0437	0.0237	0.2041	0.1168	0.0692	NT	NT	NT	NT	NT	NT	NT	0.0592	
Mercury	0.0023	0.0011	0.0025	0.0006	0.0003	0.0004	0.0003	0.0003	0.0005	ND	0.0009	0.0007	0.0005	0.0005	0.0004	0.0009	0.0009	0.001		
Nickel	0.0116	ND	0.0136	0.0068	0.0043	0.0047	0.0024	0.0025	0.0037	0.0044	0.0023	0.0039	0.0059	0.0043	0.0041	ND	0.006			
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.8907	
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.51	
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.66	
Selenium	0.0022	0.0034	0.0103	0.0024	ND	ND	0.0022	ND	ND	0.0042	ND	0.0034	0.0044	0.0032	ND	0.0083				
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	30.2	
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	706.7	
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	22.4	
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	784	
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Turbidity	0.95	1.28	2.4	5.2	NT	NT	0.317													
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0065	0.0086	ND	ND	ND		

Monitoring Location OB07A

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4**Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	229									
Ammonia	NT	ND									
Antimony	ND	ND	NT	ND							
Arsenic	ND	ND	0.0027	ND							
Barium	0.0287	0.0192	0.0211	0.0327	NT	0.0158	0.0137	0.0102	0.0159	0.0114	0.1281
Beryllium	ND	ND	NT	ND							
Cadmium	ND	ND	0.0041	ND	ND	ND	ND	NT	NT	NT	ND
Calcium	NT	63.5									
Chloride	NT	34.7									
Chromium	ND	0.004	ND	NT	ND						
Cobalt	ND	0.0029	ND	NT	ND	ND	ND	0.0084	0.0078	0.0069	0.0034
COD	NT	ND									
Copper	0.0102	0.0089	0.0099	0.0204	NT	0.0126	0.0107	0.0172	0.0073	0.0062	0.0061
Hardness	NT										
Iron	NT	0.301									
Lead	0.0022	ND	0.0032	ND	NT	ND	0.0021	ND	ND	ND	ND
Magnesium	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08
Manganese	2.5	0.3827	0.5544	0.7419	NT	0.2364	0.0976	0.0716	0.4195	0.2417	8.924
Mercury	ND	ND	ND	NT	ND						
Nickel	ND	0.0149	0.0028	NT	ND	ND	0.0028	0.0021	0.0081	0.0082	0.0039
Nitrate	NT	ND									
pH	NT	7.04									
Potassium	NT	2.81									
Selenium	ND	ND	0.0057	ND							
Silver	ND	ND	NT	NT	ND						
Sodium	NT	27.2									
Spec. Cond.	NT	523.1									
Sulfate	NT	7.54									
TDS	NT	284									
Thallium	ND										
Turbidity	1.45	1.36	8.1	22.3	NT	NT	NT	NT	NT	NT	0.266
Vanadium	ND	ND	NT	ND							
Zinc	NT	0.0057	0.0039	0.0048	ND						

Monitoring Location OB08

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2000
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	228
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	0.0191	ND	0.0023						
Barium	0.0115	0.0107	0.1822	0.0098	NT	0.0049	0.0059	0.0057	0.0101	0.0087	0.0974
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0815
Cadmium	ND	ND	0.0052	ND							
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	59.4
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	67.4
Chromium	ND	ND	0.0037	ND							
Cobalt	0.0054	0.0035	0.0664	ND	ND	ND	ND	ND	0.0184	0.0171	0.0177
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0167
Copper	0.0085	0.0165	0.0141	0.02	NT	0.0102	0.0127	0.0104	0.0078	0.00583	0.0059
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0061
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	570
Lead	ND	ND	0.0027	ND	3.85						
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Manganese	7.17	2.6	6.84	0.7339	NT	0.2168	0.0206	0.0218	0.1302	9.787	NT
Mercury	ND	ND	0.0003	ND							
Nickel	0.0121	ND	0.0481	0.0032	NT	ND	ND	0.0021	0.0026	0.0106	0.0088
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0095
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.65
Selenium	ND	ND	0.0265	ND	2.82						
Silver	ND	ND	ND	NT	ND						
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	37
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	579.9
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.85
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	352
Thallium	ND	ND	ND	NT	ND						
Turbidity	6.3	5.42	8.5	26.1	NT	NT	NT	NT	NT	NT	1.69
Vanadium	ND	ND	ND	NT	ND						
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0083	0.0051	0.0045

Monitoring Location OB08A

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	110
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.05677	0.0506	0.0407	0.0434	0.0413	0.0436	0.0425	0.0375	0.0379	0.03	0.0366	0.0491	0.0321	0.0416	0.0401	0.0401	0.0468		
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	0.0034	ND	ND	ND														
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38.6
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	82.4
Chromium	ND	0.0028	ND	ND	ND														
Cobalt	0.0044	0.0023	ND	0.0029	0.0027	0.0036	0.0035	0.0026	0.0029	ND	0.0035	ND	0.0041	0.0022	ND	ND	0.0029		
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Copper	0.0086	0.0119	0.0078	0.0161	ND	ND	0.0132	ND	ND	0.008	0.0083	0.0079	0.0082	0.0041	0.0066	0.0063	0.0063	0.006	
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	160
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.598
Lead	0.0247	0.0063	ND	0.0021	ND	ND	ND	ND	ND	0.0021	ND	0.0031	ND	ND	ND	ND	ND	ND	
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19.4
Manganese	2.59	2.322	2.517	2.196	2.03	20.38	2.248	1.9194	2.04	ND	2.376	NT	NT	NT	NT	NT	NT	NT	2.63
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel	ND	0.0063	0.0049	0.0049	0.0056	0.0056	0.0074	0.0048	0.0051	0.0056	0.008	0.0057	0.0066	0.0049	0.0061	0.0049	0.0079		
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.3
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2.81
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	19
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	413.6
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	368
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Turbidity	2.6	7.6	3.8	26.3	NT	NT	2.09												
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0107

Monitoring Location OB10

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Monitoring Location OB102											
		Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010	Fall 2011	
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1140	
Antimony	0.0038	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.2	
Arsenic	ND	0.0052	0.0251	ND	ND	ND	ND	0.0042	0.0061	0.0196	0.0063	ND	
Barium	0.0859	0.2397	0.255	0.0633	0.0818	0.1215	0.2291	0.3498	0.3393	0.3277	0.3264	0.3338	
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND	
Cadmium	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium	ND	0.0029	ND	ND	ND	0.0024	0.0043	0.0029	0.0026	0.0035	0.1373	0.0033	
Cobalt	0.0247	0.0591	0.0737	0.0134	0.0947	0.0145	0.1029	0.0991	0.1041	0.0834	0.1094	0.0873	
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Copper	0.0161	0.0702	0.2655	0.0236	ND	0.0228	0.0248	0.0384	0.211	0.0543	0.0437	0.0557	
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Lead	0.0025	0.0036	ND	ND	0.0026	ND	0.0046	0.0022	ND	0.0806	ND	0.0055	
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Manganese	3.72	16.29	17.81	2.041	4.083	6.425	17.25	25.835	24.56	ND	NT	NT	
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006	ND	
Nickel	0.0106	0.0421	0.0781	0.0082	0.0052	0.023	0.0362	0.09	0.0767	0.0913	0.087	0.0942	
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Selenium	0.0022	0.0155	0.0661	0.0023	ND	0.0026	0.0071	0.0092	0.0093	0.0127	0.0185	0.0179	
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0087	ND	ND	
Turbidity	13.5	66.5	3.8	6.9	NT	NT	NT	NT	NT	NT	NT	NT	
Vanadium	0.0021	0.0045	0.0098	ND	ND	0.0047	ND	0.003	0.1443	ND	0.0105	ND	
Zinc	NT	NT	NT	NT	NT	NT	NT	0.021	1.254	0.0248	0.0424	0.0776	

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Alkalinity	NT									
Ammonia	NT	810								
Antimony	ND	12.4								
Arsenic	NT	NT	NT	0.005 ND	0.007	0.0023	0.0058	0.0027	0.0041	0.0064
Barium	NT	NT	0.1957	0.0954	0.1666	0.2607	0.1224	0.512	0.2067	0.2161
Beryllium	NT	ND	0.466							
Cadmium	NT	ND	0.0026							
Calcium	NT	0.0047								
Chloride	NT	156								
Chromium	NT	NT	0.0068	0.0042	0.0025	0.0028	0.0026	0.0051	0.0027	0.0024
Cobalt	NT	NT	0.0095	0.0064	0.0051	0.0173	0.0045	0.0146	0.007	0.0077
COD	NT	0.0116								
Copper	NT	0.0177	0.019	0.0416	ND	0.013	0.0156	0.0654	0.0148	0.0103
Hardness	NT									
Iron	NT									
Lead	NT	NT	0.0039	0.0054	ND	0.0024	ND	ND	0.0033	0.0033
Magnesium	NT									
Manganese	NT	2.301	0.8784	1.85	2.046	1.112	2.1005	2.237	ND	1.481
Mercury	NT	ND	0.0004							
Nickel	NT	0.0185	0.014	0.0092	0.0137	0.0088	0.0145	0.0141	0.0111	0.0103
Nitrate	NT									
pH	NT									
Potassium	NT									
Selenium	NT	0.0462	0.0026	0.0051	0.0049	0.0036	0.007	0.0044	0.0135	0.004
Silver	NT	0.0262	ND							
Sodium	NT	286								
Spec. Cond.	NT	3384								
Sulfate	NT	346								
TDS	NT	1736								
Thallium	NT	NT	ND							
Turbidity	NT	24.3	31.4	NT						
Vanadium	NT	0.0071	0.0034	0.0038	0.0032	0.006	0.0037	0.0023	ND	0.0042
Zinc	NT	0.0175	0.0799							
						0.1131	0.0352	0.0501	0.556	0.556

Monitoring Location DB105

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	2011
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.0199	0.0209	0.0435	0.0266	0.0334	0.2086	0.0803	0.1537	0.0559	0.0535	0.0229
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.0059	0.0074	ND	0.0054	0.0051	0.0034	0.0081	0.0036	0.0056	0.0099	NT
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	126
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330
Cobalt	ND	ND	0.0027	ND	0.0025	0.0613	0.0027	0.0452	ND	ND	ND
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	27.5
Copper	0.0061	0.009	0.0122	0.0213	ND	0.0135	0.0164	0.0112	0.009	0.0091	0.0083
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	550
Lead	ND	0.0022	ND	ND	ND	0.0074	0.0028	0.0026	0.0023	ND	ND
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Manganese	0.3884	0.3165	2.254	0.26774	0.5659	ND	0.7036	5.365	0.6313	0.5976	0.8841
Mercury	ND	ND	ND	ND	ND	0.0005	0.0004	0.0008	0.0019	0.0031	0.0007
Nickel	0.0105	0.0114	0.0065	0.0129	0.0137	0.0354	0.0167	0.0382	0.0176	0.0178	0.0279
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.69
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.56
Selenium	ND	0.0028	ND	ND	ND	0.0034	ND	ND	0.0036	0.0043	0.0029
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0049
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	56.7
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1339
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	8.96
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1208
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	1.5	3.66	2.5	1.6	NT	NT	NT	NT	NT	NT	1.16
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	0.0389	0.04	0.0427
									0.038	0.0508	0.0432

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4

Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	270
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2222
Arsenic	0.0033	0.0032	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.1826	0.1753	0.0092	0.2364	0.1753	0.0733	0.2284	0.0603	0.1653	0.1678	0.1767
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.0054	0.0058	ND	0.0048	ND	0.01	0.0076	0.0051	0.005	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	99
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	310
Chromium	ND	ND	0.0026	ND	ND	0.0025	ND	ND	ND	0.0024	ND
Cobalt	0.065	0.0341	0.0025	0.059	0.0524	ND	0.0614	0.0022	0.0437	0.0411	0.036
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	0.0101	0.0061	0.0246	ND	ND	0.0245	0.016	0.0232	0.0149	0.0076	0.0092
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.61
Lead	0.0067	0.0037	0.0024	ND	ND	0.0179	0.0026	0.0003	0.0031	ND	0.0079
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Manganese	6.99	6.386	1.182	5.866	5.688	0.5364	5.137	0.8988	5.408	6.8885	4.922
Mercury	ND	ND	0.0004	0.0003	0.0019	0.0011	0.0019	0.0003	ND	0.0003	0.0005
Nickel	0.0343	0.0224	0.0055	0.0307	0.0323	0.0138	0.0437	0.0182	0.0343	0.0382	0.0228
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	ND	0.0042	ND	ND	ND	0.0048	ND	0.0022	0.0022	0.0067	0.0022
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.01
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	107
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1444
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	12.6
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1192
Turbidity	11.1	97.7	1.7	24.1	NT	NT	NT	NT	NT	NT	1.97
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0193	0.0229	0.0219	0.0305

Monitoring Location OB11A

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4**Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	110									
Ammonia	NT	ND	ND								
Antimony	NT	NT	NT	NT	ND						
Arsenic	NT	NT	NT	NT	ND						
Barium	NT	NT	0.0297	NT	NT	0.142	0.0989	0.0431	0.036	0.0565	0.0146
Beryllium	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	0.0228
Cadmium	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	0.0298
Calcium	NT	ND									
Chloride	NT	33.3									
Chromium	NT	NT	0.003	NT	NT	0.0024	ND	ND	0.0104	ND	ND
Cobalt	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	ND
COD	NT	ND									
Copper	NT	NT	0.0075	NT	NT	0.0145	0.0215	0.0102	0.0151	0.0048	0.009
Hardness	NT	0.0061									
Iron	NT	165									
Lead	NT	ND	NT	NT	NT	ND	0.0032	0.0032	0.0046	ND	ND
Magnesium	NT	19.7									
Manganese	NT	0.1163	NT	NT	1.03	0.6074	0.2305	0.1681	NT	NT	0.102
Mercury	NT	ND	NT	NT	NT	0.0006	0.0004	0.0005	0.0011	ND	0.0003
Nickel	NT	0.0041	NT	NT	0.0058	0.0069	0.0065	0.0156	0.0035	0.0062	0.0066
Nitrate	NT	1.622									
pH	NT	5.84									
Potassium	NT	3									
Selenium	NT	ND	NT	NT	ND						
Silver	NT	ND	NT	NT	ND						
Sodium	NT	24.5									
Spec. Cond.	NT	481.7									
Sulfate	NT	7.14									
TDS	NT	308									
Thallium	NT	ND	NT	NT	NT	ND	ND	ND	ND	ND	ND
Turbidity	NT	3.3	NT	2.49							
Vanadium	NT	ND	NT	NT	ND						
Zinc	NT	NT	NT	NT	NT	0.013	0.0478	0.0222	0.0236	0.0125	ND

Monitoring Location OB12

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	242
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.646
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.0105 ND	0.031 ND	0.9	0.1019	0.0346	0.0999	0.1026	0.3716	0.0852	0.0364	0.0881
Barium	0.0795	0.0487	0.009	ND	ND	ND	ND	ND	0.0366 ND	0.2282	0.0856
Beryllium	ND	ND	0.009 ND	ND	ND	0.0039	ND	ND	ND	ND	ND
Cadmium	ND	ND	0.015 ND	ND	ND	ND	ND	0.0088 ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0042
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	29.5
Chromium	0.02	0.0034	0.425	0.0047	ND	ND	0.1041 ND	0.009	0.3214 ND	0.0521	ND
Cobalt	0.0155	0.0061	0.293	0.0242	ND	0.0213	0.0217	0.0583	0.0219	0.0163	ND
COD	NT	NT	NT	NT	NT	NT	NT	NT	0.2322	ND	0.0599
Copper	0.0497	0.0133	0.773	0.0213	ND	ND	0.0113	0.0416	0.0153	0.0267	0.5593
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	0.0413	0.0031	0.299	0.006	ND	ND	0.0026	0.0242 ND	0.0088	0.1747 ND	0.0409 ND
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Manganese	1.035	0.7007	7.311	5.642	0.068	3.5	ND	6.422	4.44	ND	9.2235
Mercury	ND	0.0006	ND	ND	ND	ND	ND	ND	0.0003	ND	ND
Nickel	0.0255	ND	0.629	0.0234	0.0037	0.0288	0.0206	0.1422	0.0197	0.0259	0.4895
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	ND	ND	ND	ND	ND	0.0134	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	0.0024 ND	ND	ND
Turbidity	255	102	592	167	NT	NT	NT	NT	NT	NT	NT
Vanadium	0.006	ND	0.198	0.0029	ND	0.039	ND	0.0032	0.1477	ND	ND
Zinc	NT	NT	NT	NT	NT	NT	NT	0.0081	1.2155	0.022	0.0955

Monitoring Location OB015

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	423
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.57
Antimony	ND	ND	0.0256	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	0.0041	0.0065	ND	0.0034	ND	0.004	ND	0.0024	ND	0.0037
Barium	0.0851	0.1423	0.1118	0.1133	0.0846	0.1361	0.08	0.0817	0.2081	0.0658	0.1065
Beryllium	ND	ND	0.0046	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	0.0065	ND	ND	ND	ND	0.0024	ND	ND	0.0137
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0174
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium	ND	0.0182	0.006	ND	0.0228	0.0035	ND	0.0652	ND	ND	0.105
Cobalt	0.0138	0.0102	0.0289	0.0311	0.0109	0.041	0.0104	0.0166	0.0865	0.0119	0.0157
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Copper	0.0105	0.0382	0.0214	0.0439	ND	0.0339	0.0153	0.0137	0.0774	0.0085	0.0065
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	ND	0.0401	0.0043	ND	ND	0.0086	ND	0.026	0.0021	ND	0.0026
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Manganese	16.2	0.3974	20.94	11.46	7.731	1.9548	5.523	11.562	15.005	10.264	9.249
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	ND	0.0215	0.0281	0.0366	0.0074	0.0446	0.0138	0.0109	0.0872	0.009	0.0097
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	ND	ND	0.006	ND	0.0025	ND	0.0053	ND	0.0023	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Thallium	ND	ND	0.0054	ND	ND	ND	ND	ND	ND	ND	ND
Turbidity	37	966	225	94	NT	NT	NT	NT	NT	NT	NT
Vanadium	ND	0.0238	0.0127	ND	0.0171	0.0022	ND	0.0629	ND	0.0087	ND
Zinc	0.0487	0.1868	0.0263	0.0243	0.0243	NT	NT	NT	NT	NT	3.95

Monitoring Location OB25

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4
Metals and Other Water Quality Parameters - Long Term Summary

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2011
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	80
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND
Antimony	NT	NT	NT	NT	ND	ND														
Arsenic	NT	NT	NT	NT	ND	ND														
Barium	NT	NT	NT	NT	0.0449	0.047	0.0451	0.0511	0.0468	0.0502	0.0481	0.0545	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454
Beryllium	NT	NT	NT	NT	ND	ND														
Cadmium	NT	NT	NT	NT	ND	ND														
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	33.4
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	58.2
Chromium	NT	NT	NT	NT	ND	ND														
Cobalt	NT	NT	NT	NT	ND	ND														
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Copper	NT	NT	NT	NT	0.0149	0.0104	0.0159	ND	0.0074	0.0055	0.0059	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0041 ND
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0027 ND
Lead	NT	NT	NT	NT	ND	ND														
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	13.7
Manganese	NT	NT	NT	NT	0.2846	0.1448	0.1394	0.1185	0.1826	0.1261	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.101
Mercury	NT	NT	NT	NT	ND	ND														
Nickel	NT	NT	NT	NT	0.0091	0.006	0.009	0.0047	0.0091	0.0043	0.0087	0.0069	0.0097	0.0097	0.0097	0.0097	0.0097	0.0097	0.0097	0.0097
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.465
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.39
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	2.59
Selenium	NT	NT	NT	NT	ND	ND														
Silver	NT	NT	NT	NT	ND	ND														
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	24.5
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	386.7
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.7
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	280
Thallium	NT	NT	NT	NT	ND	ND														
Turbidity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	3.04
Vanadium	NT	NT	NT	NT	NT	ND	ND	0.0027 ND												
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0536 0.0202

Monitoring Location ST015

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4**Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	64									
Ammonia	NT	ND	ND								
Antimony	ND										
Arsenic	ND										
Barium	0.0335	0.0475	NT	0.034	0.0318	0.0488	0.034	0.0321	0.0447	0.0705	0.0582
Beryllium	ND	ND	NT	ND							
Cadmium	ND	ND	NT	ND							
Calcium	NT										
Chloride	NT										
Chromium	ND	0.0024	NT	ND	ND	ND	ND	0.0021	0.0021	0.0026	0.0027
Cobalt	ND	ND	NT	ND							
COD	NT	ND									
Copper	0.0084	0.009	NT	0.0167	ND	ND	0.0112	ND	0.0116	0.0105	0.0085
Hardness	NT										
Iron	NT										
Lead	ND	ND	NT	ND	ND	ND	0.0031	0.0028	ND	0.0021	ND
Magnesium	NT										
Manganese	0.0968	0.1685	NT	0.1527	0.0988	0.2052	0.0878	0.0937	0.2585	0.2074	0.2912
Mercury	ND	ND	NT	ND	ND	ND	0.0006	ND	ND	ND	ND
Nickel	ND	ND	0.0076	0.0043	0.0089	0.0055	0.0072	0.008	0.0104	0.0082	0.0116
Nitrate	NT										
pH	NT	1.029									
Potassium	NT	7.41									
Selenium	ND	ND	NT	ND	1.88						
Silver	ND	ND	NT	ND							
Sodium	NT	27.5									
Spec. Cond.	NT										
Sulfate	NT										
TDS	NT										
Thallium	ND	ND	NT	ND							
Turbidity	3.5	3.74	NT	4.3	NT	NT	NT	NT	NT	NT	2.12
Vanadium	ND	ND	NT	ND	ND	0.004	ND	0.0033	0.0028	ND	ND
Zinc	0.0055	ND	ND	0.0115	NT	NT	NT	NT	NT	NT	ND

Monitoring Location ST120

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4**Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009
Alkalinity	NT	70								
Ammonia	NT	ND								
Antimony	ND									
Arsenic	ND									
Barium	0.0305	0.0475	0.0293	0.0328	0.0327	0.0745	0.0376	0.0301	0.0351	0.0592
Beryllium	ND									
Cadmium	ND									
Calcium	NT									
Chloride	NT									
Chromium	ND	0.0031	0.0026	ND						
Cobalt	ND	ND	ND	ND	0.0074	ND	ND	ND	0.0134	ND
COD	NT									
Copper	0.0082	0.0104	0.0076	0.0157	ND	0.0105	0.0134	0.0105	0.0137	0.0049
Hardness	NT									
Iron	NT									
Lead	ND									
Magnesium	NT									
Manganese	0.0524	0.1072	0.0291	0.0991	0.2133	0.5262	0.052	0.112	0.0871	0.2699
Mercury	ND									
Nickel	ND	0.0026	0.0062	0.0041	0.0151	0.0037	0.0057	0.003	0.0083	0.0024
Nitrate	NT									
pH	NT									
Potassium	NT									
Selenium	ND	0.0044	ND	ND	0.0024	ND	ND	ND	ND	ND
Silver	ND									
Sodium	NT									
Spec. Cond.	NT									
Sulfate	NT									
TDS	NT									
Thallium	ND									
Turbidity	1.5	1.88	0.2	4.5	NT	NT	NT	NT	NT	90.3
Vanadium	ND	0.0036								
Zinc	NT	0.0165								
									0.0185	0.0032
									0.0058	0.0165

Monitoring Location ST65

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4**Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007	Spring 2008	Fall 2008	Spring 2009	Fall 2009	Spring 2010
Alkalinity	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	109
Ammonia	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.0564	0.0344	NT	0.051	0.0484	0.0496	0.0506	0.0475	0.0885	0.0681	0.066	0.0509	0.0699	0.0508	0.0549	0.1404	0.0624	ND	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	38.2
Chloride	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	85.8
Chromium	0.0095	0.0093	0.0031	0.0024	ND	ND	ND	0.0167	0.0202	0.013	0.0034	0.0194	0.0033	0.0033	0.0422	0.0422	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND
Copper	0.0097	0.0179	NT	0.0195	ND	ND	0.0107	0.0162	0.0166	0.0109	0.0079	0.0072	0.0072	0.0109	0.007	0.0076	0.0127	0.0067	ND
Hardness	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	170
Iron	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.421
Lead	ND	0.0046	NT	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	0.0039	ND	ND	ND	0.0027	ND	ND
Magnesium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	16.3
Manganese	0.1095	0.1154	NT	0.2407	0.266	0.2892	0.1555	0.2356	0.1272	0.2724	0.1056	NT	NT	NT	NT	NT	NT	NT	0.154
Mercury	ND	ND	NT	ND	ND														
Nickel	ND	0.0134	NT	0.007	0.0058	0.0059	0.0046	0.0075	0.0059	0.0086	0.0044	0.0074	0.007	0.0085	0.0052	0.0095	0.0086	0.0095	0.0086
Nitrate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.8591
pH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	7.54
Potassium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	4.3
Selenium	ND	ND	NT	ND	ND														
Silver	ND	ND	NT	ND	ND														
Sodium	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	34.2
Spec. Cond.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	520.6
Sulfate	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20.8
TDS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	352
Thallium	ND	ND	NT	ND	ND														
Turbidity	1.9	46.3	NT	16.5	NT	NT	1.96												
Vanadium	ND	0.0033	NT	ND	ND														
Zinc	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.0167	0.0187	0.016	ND	0.0342	ND	0.0342

Monitoring Location ST70

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Table 4**Metals and Other Water Quality Parameters - Long Term Summary**

Monitoring Location	Parameter	Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2009
Alkalinity	NT	48									
Ammonia	NT	ND	ND								
Antimony	ND										
Arsenic	ND										
Barium	0.025	0.0854	NT	0.0282	0.0241	0.032	0.0252	0.0298	0.0294	0.0265	0.0297
Beryllium	ND	ND	NT	ND							
Cadmium	ND	ND	NT	ND							
Calcium	NT										
Chloride	NT										
Chromium	ND	0.0061	NT	ND	ND	0.0042	ND	ND	0.0026	0.0021	ND
Cobalt	ND	0.0071	NT	ND	ND	0.0023	ND	ND	ND	ND	ND
COD	NT	ND									
Copper	0.0063	0.0126	NT	0.0172	ND	0.0133	0.0116	0.0117	0.0125	0.0051	0.0072
Hardness	NT										
Iron	NT										
Lead	ND	0.008	NT	ND	ND	ND	0.0028	0.0023	ND	ND	ND
Magnesium	NT										
Manganese	0.151	0.7204	NT	0.115	0.3743	0.1672	0.2107	0.1439	0.7916	0.0739	0.132
Mercury	ND	ND	NT	ND							
Nickel	ND	0.0109	NT	0.0037	0.0025	0.0025	0.0055	0.0053	0.0028	ND	0.0056
Nitrate	NT										
pH	NT	0.8957									
Potassium	NT	7.65									
Selenium	ND	ND	NT	ND	3.08						
Silver	ND	ND	NT	ND							
Sodium	NT										
Spec. Cond.	NT										
Sulfate	NT										
TDS	NT										
Thallium	ND	ND	NT	ND							
Turbidity	2.5	28.3	NT	51	NT	NT	NT	NT	NT	NT	1.85
Vanadium	ND	0.0148	NT	ND	ND	0.0045	0.003	ND	0.0028	ND	ND
Zinc	NT	0.0091	0.0066	ND							

Monitoring Location ST80

NT: Not Tested
 NS: Not Sampled
 ND: Not Detected

Appendix E

Table of Groundwater Elevations and Groundwater Elevation Contour Map

Results in (ft. AMSL)

**TABLE 5 - Water Table Elevations
Gude Landfill**

STATION ID	Well Elevation (ft)	4-09 Water Elevation (ft)	9-2009 Water Elevation (ft)	Elevation Change (ft)	
OB01	416	399.7	399.9	0.2	
OB02	421	403.3	403.5	0.2	
OB02A	421	403.5	403.2	-0.3	
OB03	414	387.5	387.45	-0.1	
OB03A	414	387.8	388.3	0.5	
OB04	361	356.2	355.3	-0.9	
OB04A	361	355.4	354.9	-0.5	
OB06	351	340.6	339.5	-1.1	
OB07	332	323.5	321.7	-1.8	
OB7A	332	323.2	322.2	-1.0	
OB08	324	317.2	316.2	-1.0	
OB08A	324	316.5	315.6	-0.9	
OB10	322	315.6	314.75	-0.9	
OB102	361	347.7	347.5	-0.2	
OB105	364	360.6	360.2	-0.4	
OB11	365	356.5	355.3	-1.2	
OB11A	365	356.9	355.9	-1.0	
OB12	417	399.4	398.2	-1.2	
OB015	427	405.4	404.3	-1.1	
OB025	364	355.7	354.8	-0.9	
AVERAGE WATER ELEVATION CHANGE (ft)				-0.7	

Elevations are from Sea Level

September 2009 Data

General Groundwater Flow Direction at Gude Landfill
September 2009

